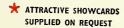
The CHEMIST AND DRUGGIST

RETAILER — WHOLESALER — MANUFACTURER **JANUARY 13, 1951**

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The

CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

JANUARY 13, 1951

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

Single copies I/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30;-

Volume CLV CONTENTS	No. 3699
A Pharmacist's Anthology 50 Holland as a Market for Med	cines 58
Books, New 56 Information Wanted	48
Business Changes 42 Legal Reports	38
C. & D. Retail Price List 39 Miscellaneous Inquiries	57
Centenary Year of W. J. Bush 52 New Companies	38
Chemical Research Laboratory, 1949 47 P.A.T.A	46
Claims for Development Rights Loss 54 Personalities	
Colonial Research 51 Scottish Prescription Pricing	55
Coming Events 64 Seaweed Research	47
Correspondence 57 Tanganyika Essential Oils	51
Deaths 40 The Uses of New Drugs	39
Editorial Articles:— Topical Reflections	37
Setback with "Artificial" Colds 49 Trade Marks	64
Inventions for the Nation 49 Trade Notes	44
Shortages Real and Artificial 50 Trade Report	60
Health Services in Northern Ireland 43 Wills	41
Health Service in Scotland 43 World Trade	59

NEWS OF THE WEEK

Salaries Arbitration. — The application of the trade union side of the Retail Pharmacy Joint Industrial Council (England and Wales) for a new J.I.C. agreement (see C. & D., 1950, 11, 266) will be heard before the Industrial Court on January 29.

Sales of Milk Powder.—Some of the restrictions on distribution of milk powder are being relaxed and prices on sales by traders decontrolled from January 14. The changes do not affect the proprietary brands of infant milk foods.

Withdrawal of Authorities. — The Home Secretary has withdrawn from Arthur Crowley, L.A.H. (Dublin), c/o B.M.A. House, Tavistock Square, London, W.C.I, the authorities granted him under the Dangerous Drugs Act Regulations.

Cocoa Butter Decontrolled.—Cocoa butter became free from price and other controls on January 10. Neatsfoot oil, castor oil and rape-seed oil are among a number of oils from which all restrictions on processing and use were removed on the same date.

Revised Purchase Tax Notice.—A revised edition of Notice No. 78 (Goods chargeable with Purchase Tax) has been issued by the Commissioners of Customs and Excise. Copies of the new edition are being sent to traders registered for purchase tax purposes.

List of Advertised Proprietaries.—The Minister of Health has advised the Executive Councils that the list of proprietaries advertised to the public (C. & D., 1950.II. 337) has been revised and a supply will be forwarded shortly for distribution to each chemist-contractor.

Safety Conference Proceedings.—The proceedings of the third Chemical Works Safety Conference (see C. & D., 1950.11. 596) have been published by the Association of British Chemical Manufacturers. The book contains 184 pages and many illustrations. Copies may be obtained from the Association, 166 Piccadilly, London, W.1, price 5s.

Display Lighting Banned. — The Advertisement Lighting (Prohibition) Order,

1951 (S.I., 1951, No. 16) made by the Minister of Fuel and Power recently, and effective since January 8, prohibits the use of electricity, gas, oil and candles for the purposes of advertisement and display in the course of any business. The Order does not extend to Northern Ireland.

Further Increases in Dressings Prices.—The Surgical Dressings Manufacturers' Association announces further increases in the prices of surgical dressings effective from January 15. Many of the new rates represent an advance of 5 to 7.5 per cent. Absorbent cotton wool, B.P.C. quality, is advanced by one penny per lb. and the hospital quality by sixpence three-farthings. Gauze and cotton tissue will cost 7s. $5\frac{1}{2}$ d, per lb. (an increase of twopence).

Factory Visits During 1951 Festival.—British manufacturers who are willing to receive visitors at their factories during the Festival of Britain are invited to write to Mr. S. D. Cooke, Council of Industrial Design, Tilbury House, Petty France, London, S.W.I, enclosing the name and address of their factory, particulars of the goods they make, the approximate number of employees in the factory (or other indication of size), the most convenient days and hours for receiving visitors, and the person to whom visitors should apply in advance.

B.M.A. Tuberculosis Report.—A report on the tuberculosis service in Britain, compiled by the Tuberculosis and Diseases of the Chest Group Committee of the British Medical Association, was recently approved unanimously by the Association's Council. It describes the inadequacy of the present position as a "national scandal which can no longer be viewed with complacency," and draws particular attention to the fact that 11,000 tuberculosis patients are waiting for admission to the 23,000 beds provided for the disease under the National Health Service. The committee welcomes the adoption in Britain of the B.C.G. vaccination for certain groups of subject.

Technical Instruction.—Courses organised by the Sir John Cass College, Jewry Street, Aldgate, London, E.C.3, include two on "Distillation" and "Microchemical Analysis." The first consists of eight lectures on the theory and practice of distillation to be given at 6 p.m. on Friday evenings commencing January 12, and the second, for advanced students of chemistry, of ten lecture-demonstrations to be held at 6 p.m. on Thursdays commencing January 11. The advanced course is concerned with the

principles and technique of micro an semi-micro analysis. During the summe term facilities for laboratory work are t be available to a limited number of stu dents. The fees for the courses are £1 an £1 10s, respectively.

Cut in Zinc Supplies.—Owing to the present world shortage of zinc and the nee to conserve supplies for rearmament th Government is introducing a statutor Order prohibiting from February 1 certain uses of zinc and brass. Manufacturers c zinc and brass products have been asked to give preferential treatment to applica tions in which small quantities are essen tial to the production of engineering good of a high conversion value, such as scien tific instruments. The provisional list o prohibited uses in the manufacture of goods from zinc, copper and/or coppe alloys includes the following: Soap dis pensers, funnels, toilet paper holders, bed pan sterilisers and racks, powder bowls and boxes, lipstick cases and safety razor part (handle, guard or case).

LOCAL NEWS

Approval for Factory.—The Wakefield City Council has approved the sale of eight acres of land near the Municipa Golf Course, to Subaseal, Ltd., Barnsley for the erection of a factory.

Laboratories "At Home." — Pharmacists and doctors to a total of 130 attended an at home given by the scientific staff of Evans Medical Supplies, Ltd., in the Evans Biological Institute, Runcorn, on December 13, 1950. Guests were shown through the research and testing laboratories and saw demonstrations of the preparation and testing of biological products.

Additional Lecturers Authorised.—The Liverpool Further Education Committee has given authority for the appointment in the department of pharmacy of the City College of Technology, from September 1951, of a senior assistant lecturer for physiology and pharmacology, and lectureers in pharmaceutics and pharmacognosy (with a special responsibility) and pharmaceutical chemistry.

A Doctor - pharmacist Committee.

—Chemists in Chesterfield have established a joint doctor-pharmacist committee to deal with National Health Service problems affecting both professions. The subjects for discussion include the relative costs of therapeutically equivalent

preparations, personal preferences of doctors, possible flavourings (especially of children's medicines), and hours of shopopening, rota work, and surgery hours.

Portsmouth Branch Meeting. — The Portsmouth Branch of the Pharmaceutical Society held a meeting on December 8, 1950, Mr. N. Francis presiding. The guest speaker, Dr. T. Beaton (medical superintendent, St. James' Hospital, Portsmouth) outlined the various mental disorders and their treatment by electrical, malarial and insulin therapy. A discussion followed. A vote of thanks was proposed by Mr. E. R. Mathews, seconded by Mr. A. Dempsey.

Huddersfield Annual Dinner.—Proposing the toast of "The Pharmaceutical Society" at the annual dinner of the Huddersfield Chemists' Association and Branch of the Society recently, Mr. M. Peel (secretary of the Branch) said it was amazing to him that the Society had allowed apprenticeship to go by default. He felt that teachers dominated policy by insisting on day instead of evening courses. Mr. H. C. Shaw (immediate, past-president of the Society), replied to the toast.

Vice-president at Durham.—Mr. F. C. Wilson (vice-president of the Pharmaceutical Society) addressed the Durham County Branch of the Society on "Current Pharmaceutical Topics" at a meeting held in Durham city on December 7, 1950. Mr. Wilson spoke of a joint committee of British and French pharmacists (see C. & D., 1950.II.731) and summarised the new educational machinery of the Society, the proposed amendments to the charter, and the man-power report. A discussion followed.

Long Service Presentations .- At a dinner given to the staff of Vitamins, Ltd., and its associated companies in London, recently, presentations were made to employees of the company with twenty-one The chairman years' service. H. C. H. Graves), who made the presentations, was afterwards the recipient of a wristlet watch to mark a similar period of service.—Three foremen of the North British Rubber Co., Ltd., Castle Mills, Edinburgh, whose services with the company (and its forerunner) totalled 141 years, received awards from the management and presentations from fellow workers at a ceremony in Edinburgh recently. During the Christmas and New Year festivities the retired male employees of the company who, in May 1950 formed the Castle Mills Old Timers' Association, staged their own party. Messrs. J. L. Cornfoot and D. H. Gordon (directors) were among the guests.

Council Members at Branch Function. -A dinner and dance held by the Wimbledon Pharmacists' Association recently attendance of 150. an guests included Mr. A. A. Meldrum (president of the Pharmaceutical Society), Mr. W. S. Howells (treasurer of the Society), their wives, Mr. F. C. Wilson (vice-president of the Society), and Mr. H. L. S. Black (president, Thames Valley Pharmacists' Association). The toast to the Society was proposed by Mr. H. J. Newitt (secretary, Wimbledon Pharmacists' Associa-tion), and replied to by Mr. Meldrum. The toast to the guests was proposed by Mr. H. S. Fenton (president and chairman of the association), and Mr. Black replied.

SCOTTISH NEWS

Lost Prescriptions Claim Allowed.— The Glasgow Executive Council has allowed a claim by a chemist who lost part of his month's prescriptions when he was attacked on his way home (C. & D., 1950. II.636).

Cost of N.H.S. in Glasgow.—The total cost of the National Health Service in Glasgow for the year ended March 31, 1950, was £4,056,547 (£3 14s. per head of the population). The amount paid to chemists was £970,820, and the number of prescriptions dispensed during the year was 3,277,725, an average of 2.9 per head.

Glasgow Golf Section. — The office bearers of the Glasgow Pharmacy Club's golf section for the ensuing year are as follows:—Honorary Captain, Mr. W. Wood Wilson; Honorary Vice-captain, Mr. G. Adam, sen.; Captain, Mr. J. Low; Vice-captain, Mr. G. F. Grant; Secretary, Mr. A. G. Bannerman, 34 Southbrae Drive, Jordanhill, Glasgow, W.3; Treasurer, Mr. J. Gibson.

Arbitration Tribunal Names. — The names of the members of the arbitration tribunal (see C. & D. 1950.II.574) which is to deal with the question of the appropriate rates of payment to chemists in Scotland for dispensing National Health Service prescriptions are: —Mr. L. Hill Watson, M.C., K.C. (Sheriff of Perth and Angus) (chairman); Sir Alexander Gray, C.B.E. (Professor of Political Economy and Mercantile Law, Edinburgh University); Mr. C. R. Munro, C.A., Edinburgh.

IRISH NEWS

Benevolent Fund Reminder. — The Benevolent Fund Dance Committee reminds those who may have overlooked sending along their usual subscription for the 1950 dance that remittances can still be sent to the treasurers of the Committee, 67 Lower Mount Street, Dublin.

President "At Home" to Members.—Films entitled "Triumph over Deafness," "War under the Microscope: Story of Malaria," and "Surgery in Chest Diseases," were shown at an at home given by the president of the Pharmaceutical Society of Northern Ireland (Mr. H. W. Gamble) in the Society's rooms, Belfast, on January 8.

Irish Drug Association.—At a meeting of the Irish Drug Association recently the following were appointed a subcommittee to examine the proposed Mother and Child Welfare Scheme: Messrs. C. J. Cremen, P. F. McGrath, F. J. Robinson, and J. J. Roche. The following were elected members of the Association: H. W. Salisbury, Ltd. 73 North Strand Road, Dublin; R. T. Magnier, M.P.S.I., 63 Park Street, Drogheda, co. Louth; Miss M. E. Flynn, M.P.S.I., Hyde Street, Mohill, co. Leitrim; N. McNelis, M.P.S.I., Seafield Pharmacy, Stillorgan Road, Dublin; Miss M. O'Sullivan, L.P.S.I., 118 Main Street, Mallow, co. Cork; D. O'Leary, M.P.S.I., I Cathal Brugha Street, Dublin; Miss T. R. Brady, M.P.S.I., The Medical Hall, Dunboyne, co. Meath; P. A. Brennan, M.P.S.I., Redesdale, The Pharmacy, Stillorgan Road, Dublin; Miss S. Johnson, L.P.S.I., 61 Phibsboro' Road, Dublin.

Pharmaceutical Society of Ireland.—
The Licence certificates of the following were signed and sealed at meetings of the Council of the Pharmaceutical Society of Ireland recently:—Peter M. Cryan, Mary M. Cotter, Mary M. Halpenny, Rosarie M. Leahy, Mary Liffey, Mary McGuinn, Valentine O'Connell, James P. Roche, and Margaret Stokes, T. F. X. Corbett, Mary P. Doorly, J. N. Dunphy, Mary Fitzpatrick, Patrick Hickey, Hannah M. Leader, Mary Long, Kathleen T. P. Martin, Catherine Murtagh, James W. O'Brien, Nora M. O'Carroll, Charles A. D. Roche, Joseph Staunton. The following were elected to membership: Mrs. B. A. Heffernan, Misses Mary Liffey, Mary McGuinn, Elizabeth Smyth, T. R. Brady; Messrs. B. R. Bailey, John A. Gleeson, P.

Hughes, Denis J. Long, V. O'Connell and D. G. O'Leary, Miss Margaret M. Fallon, Miss Mary E. Flynn, Patrick Enright and Patrick F. O'Leary.

OVERSEAS NEWS

Medical Research Centre.—The Colonial Office is taking over a research laboratory at Freetown, Sierra Leone, for use as a medical research centre.

Polish Chemical Industry.—The Polish parliament has approved a Bill providing for the establishment of a Ministry of chemical industries. Under a six-year plan chemical output is to be trebled.

Hormone Discovery.—Workers at Harvard University, U.S.A., studying silkworms, are reported to have discovered a "metamorphosis hormone." It may throw light on the causes of abnormal growth.

Swiss Society of Chemical Industry.— The Swiss Society of Chemical Industry held recently its seventieth annual general meeting in Basle. Professor Taddeus Reichstein (1950 winner of the Nobel prize in chemistry) read a paper on cardiac glycosides.

Tropical Diseases in the Middle East.—Experts on tropical diseases met in Beirut recently to take part in a first medical symposium on prophylactic and therapeutic aspects of tropical diseases in the Middle East. Lectures were given on malaria, typhoid, brucellosis, schistosomiasis and amœbiasis.

Pharmaceutical Society of Barbados.—The report of the executive council of the Pharmaceutical Society of Barbados for the year ended June 30 records that efforts have been made—so far unsuccessfully—to organise a course for apprentices at the Barbados evening institute as a necessary preliminary to bringing standards of pharmaceutical examination in the island to the level found in neighbouring colonies.

Discoverers Share Royalties. — Dr. Albert Schatz, Brooklyn College, New York, U.S.A., has been named as a co-discoverer of streptomycin with Dr. Selman A. Waksman and will have a share in the royalties accruing from its sale. Dr. Waksman and the Rutgers Research Foundation, U.S.A., have agreed to pay a proportion of the royalties, accruing after October 1, 1950, to thirteen other students, associates and assistants.

TOPICAL REFLECTIONS

N.H.S. Questions

The year has opened with questions bout the National Health Service. Your ditorial article on p. 17 puts with perfect airness the case for dispensing in phar-nacies rather than in health centres. While ot overlooking the fact that institutional dispensing can be very efficient, you point out the advantage to patients of brief conversation with a qualified man or woman who hands out dispensed medicine across a shop counter. It may be noted, n passing, that the competitive claims of building requirements, together with ncreasing cost, will probably keep elaborate health centres in abeyance for the present. Mr. Hubert Blore's trenchant discussion on cuts in chemists' remunera-tion for N.H.S. dispensing (p. 20) shows determination not to be caught unawares with demands for further reductions of a similar kind. And the vice-president of the Pharmaceutical Society, speaking at Plymouth (p. 4), gave a salutary reminder that dispensing chemists are not an entirely negligible factor in the working of the service. These references in your issue of January 6 give panel contractors much to think about. When cheeseparing begins or is contemplated in high quarters, experience shows that it is likely to be tried first in the direction thought to be least resistant. Pharmacists have been described as a feeble folk; this impression, fermenting in unfriendly atmospheres, has sometimes operated to their detriment.

In January 1901

The paragraph headed "Fifty Years Ago" (p. 19) is topical in view of the fact that Australia is celebrating the fiftieth anniversary of the fusion of its states into the present Commonwealth. This retrospect set me looking into your issue of January 5, 1901 to see what else was going on in pharmacy then. Analytical data on the British Pharmacopæia of 1898 were contributed by well-known pharmacists. Mr. Frederick Bascombe commented on the official liquores cencentratæ—an unsatisfactory group. Mr. G. F. Merson reported on ten samples of B.P. liquid extract of cascara sagrada, and gave three criteria for a good product. Mr. H. Wippell Gadd had a word of praise for the official liquid preparations of ipecacuanha. Dispensing in the Army was criticised by two pharmacists, with suggestions

for reform. (Criticism on that subject is still proceeding.) A Kentucky orator, presumably a pharmacist, had been addressing a local association on the subject of ethics in business, drawing conclusions like those familiar in this country. In Glasgow a newspaper controversy on "the right of medical men to keep open shop under the supervision of unqualified assistants" was proceeding. In the Correspondence section a new Pharmacy Bill drafted by the Pharmaceutical Society's Council approval from the Federation of Local Pharmaceutical Associations. Two letters dealt with the etymology of "antimony." The most interesting letter, perhaps, came from The Income-tax Adjustment Agency, Ltd. It stated: "With the income tax at is. in the pound, the amount payable by persons of even small means is very considerable" One shilling in the pound!

A Century Ago

The opening sentence of the Xrayser of January 5, 1901 is: "Reviews of the century are painfully trite just now, and a strong-minded commentator would rigorously avoid the subject." However, he succumbed to the temptation to refer to publications of 1801; I am similarly tempted in respect of 1851, partly as a consequence of reading the signed articles in your issues of a fortnight ago. A scrutiny of various remarks on British life in the year of the Great Exhibition leaves little doubt that material prosperity had engendered a self-satisfaction not altogether healthy. Even "The Times" seems to have shared in the prevailing optimism. Here is an excerpt from a recent quotation in that journal: "We doubt if in any age a nation, already counting many centuries of existence pent in a narrow island and not encumbered with the glorious trophies of the past, has moved onward to its objects with more strenuous, universal, and harmonious power . . . we can look upon the progress of intellectual culture among the people of England not only without apprehension, but with confidence." We are not likely to repeat this congratulation in 1951. We have no ground for easy optimism. But we need not fall into the opposite error of pessimism. At the moment it would appear that the new unit for our affiliation will be the English-speaking races; and there is no reason to think that the future of these races is insecure. Xrayser

NEW COMPANIES

Mellors (Chemists), Ltd. (P.C.). — Capital £5,000. To acquire the business of chemists carried on by John Hilton (Salford), Ltd., at 148 Blackfriars Road, Salford. Douglas Mellor, M.P.S., and Isadore Sandler, directors.

D. J. SIMPSON (CHEMIST), LTD. (P.C.).—Capital £3,000. To carry on the business of wholesale or retail chemists, etc. Walter Pearce and Donald J. Simpson, directors. R.O.: 101 Warwick Road, Kenilworth, Warwicks.

Day-Lewis (Chemists), Ltd. (P.C.).—Capital £2,000. To carry on the business of chemists and druggists, opticians, etc. Lilian K. G. Barnes, Phillip W. Barnes and Alexander Davidson, directors. Solicitors: Claremont Haynes & Co., 41 North Street, Brighton.

SIMMONDS-LOW HORTICULTURAL PRODUCTS, LTD. (P.C.).—Capital £2,000. To carry on the business of manufacturers of horticultural products of all kinds, manufacturing chemists and druggists, etc. Mrs. Rene Simmonds, director. 38 Paramount Court, University Street, London, W.C.I.

Gascoigne-Crowther, Ltd. (P.C.)—Capital £1,000. To carry on the business of manufacturers of and dealers in disinfectants, bactericides, chemicals, etc., connected with agricultural or other purposes. George H. Cascoigne and Harold A. H. Crowther, directors. R.O.: 42 Bedford Avenue, London, W.C.I.

Company News

ALLEN & HANBURYS, LTD.—The directors propose in the near future to raise £1,000,000 of new capital by the issue of debenture stock. Consent of the Capital Issues Committee has been obtained. The offer will be made to the public but preferential treatment will be made to shareholders and the company's customers. Brokers to the issue will be Hilton, Gibbs, Hutchinson, Scott & Co., 1 Throgmorton Street, London, E.C.2.

Voluntary Liquidations

FINDLAY & SONS, LTD., chemists and druggists, 55 Tredagar Street, Risca, Mon. Liquidator: Arthur Guit, 30 High Street, Newport, Mon.

VINOLIA CO. (OVERSEAS) LTD., soap manufacturers, and J. & E. ATKINSON (OVERSEAS SUPPLIES), LTD., perfumers and soap makers, both of Unilever House,

London, E.C.4. Liquidator: Frank M. Lyche Olsen, address as above.

LEGAL REPORT

Status of a Bust Remedy.—The question whether a "beauty bust" treatment is a substance recommended as a medicine was the issue before Brighton magistrates on January 4 when Colrex, Ltd., 3 Grand Parade, Brighton, appeared on charges under the Pharmacy and Medicine Act,

1941. They pleaded not guilty.

On behalf of the Pharmaceutical Society, which prosecuted, it was stated that leaflets giving instructions for applying the substances were supplied with it, but nowhere were the ingredients shown, as required by the Act. The leaflet claimed that small breasts resulted from insufficient hormones, and claimed that the preparation would remedy that deficiency. Society's submission was that the company claimed that the substance made up for a physical deficiency, and therefore was being sold as a recommended medicine. An inspector appointed under the Act said he answered a newspaper advertisement sponsored by Beauty Bust, the Colrex firm, and received, first a booklet entitled "Nature's Way to Bust Beauty," and then, after sending a £1 note, two tubes of ointment. They were completely unwrapped and there was a leaflet of instructions for "beauty bust" treatment. For the defence it was argued that a woman with small breasts was not suffering from an ailment, infirmity or injury as defined by the Act, any more than a man who was short and wished to be tall, and so bought a preparation to increase his height. Defending solicitor asked the magistrates (two of them women): "was this stuff recommended for the treatment of an ailment, infirmity or injury affecting the human body? I ask your two lady colleagues, would you not repel any suggestion that a lady with smaller breasts than normal suffers from an ailment, infirmity of injury?" He submitted that there were preparations to increase height or the length of a woman's finger nails, but women who wrote for those were not considered ailing. He pointed out that the instructions warned against the use of the substance for any purpose other than application to the breasts, and that proved that it was not intended as a medicine. The chairman of the magistrates said they were not satisfied that the preparation was intended as a medicine, and the case would be dismissed.

C. & D. RETAIL AND DISPENSING PRICE LIST

A FURTHER increase in the price of zinc oxide—the sixth since the annual List was published—brings increases in the galenicals containing this widely used chemical, of which the British Pharmaceutical Codex lists thirty-three. As indicated recently in the Trade Report, the price of ergot trebled during 1950. The failure of the 1949 crop was held responsible for the increases, and no doubt the position

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Cost	Item		oz.	I oz.		ı dr.	
d. per		s.	d.	s.	d.	s.	d.
	Acid. lacticum	3	О	О	10	0	2
	Alcohol. lanæ	2	7	0	9	0	2
	Anthemidis exot.	3	8	I	0	0	2
93 lb.	Benzoin. Sumatra	3	3	0	ΙI	0	2
126 lb.	Cera alb. (massa) Cera alba (in	4	3	I	2	0	2
120 10.	placentis)	4	6	I	0	o	$2\frac{1}{2}$
120 lb.	Cera flav. (ang.	4	U	1	3	U	22
	massa)	4	3	I	2	0	2
95 lb.	Elix. casc.sagrad.	4	0	I	I	0	2
	Eugenol	_	-	7	0	I	o
II oz.	Guaiaci resin. pv.	_	-	Ī	8	0	3
20 oz.	Hydrarg. perch-						
	lor. S.1.P.11(4)	-	-	2	ΙI	O	5
22 oz.	Hydrarg.						
	subchlorid	_	-	3	3	0	6
	Inf. senegæ conc. Lotio calaminæ		-	2	I	0	4
19 10.	lb. 2/9	0	10	o	3		_
48 oz.	Ol. betulæ	_	-	_	_ 3	I	0
	Ol. limettæ	_	-	_	-	2	3
42 lb.	Ol. ricini						J
2	16 oz. 5/-	I	6	o	5	-	_
132 oz.	Opium pulverat.				ļ		
o6 1h	D.D.	_	-	~	-	3	2
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22 lb.	alb. lb. 3/3 Paraffin molle	I	0	О	$3^{\frac{1}{2}}$		_
10.	flav. lb. 2/9	0	10	0	3	_	_
39 lb.	Potass. tartras		10		၁		
00	acid	I	5	0	5	_	_
36 lb.	Sapo kalinus						
	lb. 4/6	I	4	o	5	-	-
42 lb.	Sennæ fruct.						
	Tinnev	I	6	O	5	-	-
15 oz.	Sulphanilami- dum S.1.Bonly						
43 oz.	Thymol.			6	3	0	4
144 lb.	Tinct, zingiberis			U	-5	U	ΙΙ
11 -3.	fort	4	4	I	3	0	$2\frac{1}{2}$
33 lb.	Ung. alcohol.	т	T	_	J		- 2
	lanæ	I	3	o	4	_	-
36 lb.	Zinci oxidum	I	4	o	5	-	-

would be influenced by a heavy 1951 crop, but that is some way ahead. An increase in the use of ergometrine tablets and injections for the control of post-partum hæmorrhage has taken place in the past few years. The use of intravenous ergometrine has been accentuated recently by an erratic supply position for injection of oxytocin. A recent rise in mercury metal is reflected this month by higher prices for its salts and galenicals. The price changes given in the adjoining column should be noted. The drug index figure for the month is 197.4.

THE USE OF NEW DRUGS

A MEETING of the Norwich branch of the Pharmaceutical Society, held on December 5, was addressed by Mr. S. J. Hopkins, Ph.C. (chief pharmacist, Addenbrooke's Hospital, Cambridge) on "New Drugs in Medical Practice." The search for the perfect sulphonamide continued, he said. A recent step in the right direction was the production of Gantrisin, a readily soluble compound. As it was confined in its distribution to the extra-cellular fluids of the body, small doses could be given. Streptomycin therapy in tuberculous meningitis was complicated by a fibrous barrier which formed at the base of the brain. Streptokinase, isolated from streptococcal cultures, broke down the exudate and aided the penetration of streptomycin. The methonium compounds were more effective as ganglion-blocking agents than tetraethyl ammonium bromide and found other therapeutic applications in the treatments of peptic ulcer, etc. Parkinsonism had been receiving considerable attention recently and the use of Diparcol, Artane and Lysivane appeared to have met with some success.

Advance in Transfusion Therapy

A striking new development in injection technique was the introduction of an enzyme, hyaluronidase, a so-called "spreading-factor." By its use large volumes of transfusion fluids could be injected subcutaneously without difficulty. Normally, that procedure was a slow and painful one, but if I mgm. or so of hyaluronidase were mixed with the entering fluid, some 200 mils of solution could be absorbed in thirty minutes with much less discomfort to the patient.

DEATHS

Bell. — On December 20, 1950, Mr. William Brown Bell (president of the American Cyanamid Co. since 1922), aged seventy-one. Mr. Bell was a past-president of the Manufacturing Chemists' Association and Chemical Alliance (of the United States) and was an honorary vice-president of the National Association of Manufacturers. In 1949 he was awarded the medal of the Society of Chemical Industry.

Brindle.—Suddenly, on January 3, Mr. Fred Brindle, Ph.C., M.P.S. (special assistant on the teaching staff in pharmaceutics, Manchester University, and deputy chief invigilator for the Pharmaceutical Society's written examinations in Manchester). Mr. Brindle qualified as a chemist and druggist in 1912 and passed the Pharmaceutical Chemist examination the following year. In 1920 he succeeded to his father's business in Bolton, leaving some fifteen years later to join the staff of Manchester University. He was a past-chair-man of the Bolton Branch of the Pharmaceutical Society. Before the war of 1914-18 (in which he received a hip wound) he was a versatile athlete. At the Bolton Secondary School he had won the victor ludorum cup outright as winner in three consecutive years. He played Association football for the Bolton schoolboys' team in the National competitions, and later for the Bolton amateur team which won the Lancashire amateur shield, and for his Brigade in France during the 1914-18 war. He was one of a team of four chosen to represent Lancashire and North-west England in swimming and diving events of the final Olympic games trials in London in 1912, and he played cricket and Rugby football in Yorkshire leagues for Horbury (where he served a period of two or three years as an assistant).

Professor H. Brindle (his brother) writes: "His memory will be cherished especially by the many pharmacists who will have recollections of his patience and painstaking assistance to them as stu-

dents."

CAMERON. — On December 15, 1950, Mr. Andrew Stewart Cameron, M.P.S., 7 Gartconnell Road, Bearsden, Glasgow, aged sixty-five.

EDWARDS. — At Westminster Hospital, London, on December 3, 1950, Mr. Llewellyn Edwards, M.P.S. (chief pharmacist at Springfield Hospital, London), aged forty-seven. Mr. Edwards had been at Springfield Hospital for twenty-fou years. He qualified from the South of England College of Pharmacy in 1925 after serving an apprenticeship with Mr Parry Williams, Bargoed, Glam.

GILLESPIE. — At 41 Carlaverock Road Glasgow, on December 23, 1950, Mr M. Gillespie (formerly a territorial genera manager of Boots, Ltd.). Mr. Gillespie qualified as a chemist and druggist in 1912.

HALL.—At 51 Montpelier Park, Edin burgh, on November 7, 1950, Mrs. A. M. L Burr, wife of Mr. George Hall, M.P.S. The funeral was held at the Crematorium Warriston Road, Edinburgh, on November 10.

HARRIS.—On November 25, 1950, Mr Douglas R. Harris, M.P.S., 27 St. James' Street, London, S.W.1. Mr. Harris quali fied in 1907.

HENDRY.—Recently, Mr. James Hendry Ph.C., c/o A. M. Bickford & Sons, Adelaide House, Currie Street, Adelaide South Australia. Mr. Hendry qualified a a chemist and druggist in 1909 and passec the Pharmaceutical Chemist examination two years later.

HILL. — At Southmarston House, nr Swindon, on December 18, 1950, Mr Harold Arthur Hill, M.A., barrister-at-law, 4 King's Bench Walk, London, E.C.4 Mr. Hill qualified as a chemist and druggist in 1920 and was called to the Bar ir 1925. After the 1914-18 war he was secretary of the League of ex-Service Pharmacists.

Kemp.—Recently, Mr. William George Frederick Handel Kemp, M.P.S., 50 Dennistead Crescent, Otley Road, Leeds 6. Mr. Kemp qualified in 1904.

MACPHAIL.—On January 2, Mr. W. M. Macphail, aged eighty-five. Mr. Macphail was for many years managing director of J. A. Ewing & Co. (London), Ltd., Finsbury Court, Finsbury Pavement, London, E.C.2. He retired from active service in 1940 but remained a director and chairman until 1950. During his business career Mr. Macphail visited South Africa many times,

MacPherson. — At 24 Brown Street, Buckhaven, Fife, on December 6, 1950 Mr. George H. MacPherson, M.P.S., aged fifty-seven. The funeral was held on December 9, 1950.

41

McCurrach.—On December 15, 1950, Mr. Robert McCurrach, M.P.S., 58 Gray Street, Aberdeen, aged seventy.

McMILLAN.—On December 24, 1950, Mr. George Arthur McMillan, M.P.S., Churchgate House, Dedham, Essex. Mr. McMillan qualified in 1921.

Morrison.—At 17 Main Street, Bannockburn, Stirlings, on January 1, Mr. David Russell Morrison, M.P.S., aged eighty-one. Mr. Morrison had been in business in Bannockburn for fifty years and had been ill for a long time. Born in Alloa, he served his apprenticeship in Kirkcaldy, and after qualifying worked for a short time in Tillicoultry, Clackmannans, before setting up in business for himself. He is survived by his son, Mr. John Morrison, M.P.S.

Newey.—On December 26, 1950, after several weeks' illness, Mr. Frederick Albert Newey, M.P.S., 13 Queen 'Anne's Road, York, aged eighty-eight.

NORRISH.—On December 14, 1950, Mr. George Edgar Norrish, M.P.S., 3 Greenways, Dairyfields, Trentham, Staffs, aged eighty-two.

RICHMOND.—Recently, Mr. Alfred Edmund Richmond, Waveny Mill House, Southdown Road, Great Yarmouth, aged eighty-six. Mr. Richmond, who had been in business in Great Yarmouth for many years, qualified as a chemist and druggist in 1887. He was a prominent Freemason.

ROBINSON. — On December 23, 1950, Mr. Joseph Ellis Robinson, M.P.S., Littlewood, Rose Hill, Marple, nr. Stockport, Ches, aged seventy.

SMITH.—Recently, Mr. Stephen Smith, M.P.S., Longstone Pharmacy, Seahouses, Northumberland. Mr. Smith qualified in 1919.

STEVEN.—At a nursing home in Manchester, on January 3, Mrs. Margaret McDonald Steven, widow of the late Mr. George Steven, Ph.C., Cheadle Hulme, Ches.

Watson.—At Iona, Lovedale, Balerno, Midlothian, on December 21, 1950, Miss Barbara Blair Watson, M.P.S. Miss Watson qualified in 1920.

WHITE.—At Southport, on December 21, 1950, Mr. Harold Percy White, M.P.S., 62 Somerset Road, Bolton, Lancs, aged seventy-five. Mr. White was formerly a manager for Boots, Ltd.

WILLS

MR. R. C. KIMBER, M.P.S., 32 Jubilee Road, Aldershot, Hants, left £772.

MR. T. THOMSON, M.P.S., 36 Moorfield Road, Salford, Lancs, left £1,465 (£1,416 net).

MR. J. E. STRACHAN, M.P.S., 69 Loughborough Road, London, S.W.9, left £1,782.

MR. W. E. G. WICKHAM, M.P.S., 30 Church Street, Hungerford, Berks, left £19,581 (£12,685 net).

MR. D. P. SLATER, M.P.S., 3 High Street, Carcroft, Doncaster, left £1,273 (£1,246 net).

Mr. E. N. Fox, M.P.S., 210 St. George's Road, Bolton, Lancs, left £1,988 (£1,682 net).

MR. N. BRIERLEY, M.P.S., 177 Chew Valley Road, Greenfield, Oldham, left £7,050 (£6,656 net).

Mr. J. H. Thomson, M.P.S., Torrie Cottage, Coupar Angus Road, Lochee, Dundee, left £5,282.

MR. A. E. BECKETT, M.P.S., 30 Kirton Lane, Thorne, Doncaster, formerly of Cleveland Avenue, Long Eaton, Derbys, left £492 (£461 net).

Mr. J. S. Stone, 35 Elsie Road, East Dulwich, a director of Stone's Pharmacy, Ltd., 135 Peckham Road, London, S.E.15, left £6,787 (£6,719 net).

MR. W. G. YEATS, M.P.S., 53 St. Aubyns, Hove, formerly of Brunswick Square and Southampton Row, London, W.C.1, left £7,934 (£7,743 net).

MR. J. M. PEARSON, M.P.S., 79 Redway Drive, Whitton, Middlesex, and 63 Lupus Street, London, S.W.I, left £9,007 (£8,932 net).

MR. F. WHITHAM, M.P.S., Two Firs, Kelly Bray, Callington, Cornwall, formerly of Blenheim Road, Minehead, Somerset, left £18,194 (£16,669 net).

MR. D. GRAHAM, M.P.S., 10 Clydesdale Street, Mossend, Lanarks, formerly of Teluk Anson, Malaya, left estate in England and Scotland valued at £657.

MR. D. C. Wilson, B.Sc., F.R.I.C., 28 St. Ninians Road, Corstorphine, Edinburgh (managing director of T. and H. Smith, Ltd., Edinburgh, and chairman of the Scottish Wholesale Druggists' Association) left £10,195.

PERSONALITIES

MISS SHEILA STRAWSON (daughter of Mr. F. G. Strawson, M.P.S., Kettering), appeared as a dancer in the B.B.C's television show "Top Hat" broadcast on January 2.

Mr. K. A. Greenwood, M.P.S., Portsdown Pharmacy, 23 London Road, Widley, Hants, won a first prize in a local chamber of trade window-dressing competition recently.

Dr. H. C. Longuet-Higgins (winner of the Chemical Society's Harrison Memorial prize, 1950) was educated at Winchester and at Balliol College, Oxford, where he was an Open Scholar. He was awarded first-class honours in the Final Honour School of Natural Science (Chemistry) in 1945 and Ph.D. degree in 1948. He was elected to a junior research fellowship at Balliol College in 1946 but relinquished it in 1948 to become a research associate of the University of Chicago, U.S.A., where he carried out experimental and theoretical work. In 1949 he returned to become lecturer in theoretical chemistry at the University of Manchester.

Mr. Alexander Fleck, D.Sc., F.R.I.C., the new deputy chairman of Imperial



Chemical Industries, Ltd., (C. & D., January 6, p. 6), was born in Glasgow in 1889. After taking his degree at Glasgow University he stayed on for two years as an assistant in the university's physical chemistry department, later becoming a physical chemist to the Glasgow and West of Scotland Radium

Committee. In 1917 he joined Castner-Kellner Alkali Co., Ltd., as a chemist, and two years later became manager of the company's Wallsend works. After serving in turn as a delegate-director of Synthetic Ammonia and Nitrates Co., Ltd., managing director of the general chemicals division of I.C.I., and chairman of Fertilizer and Synthetic Products, Ltd., he was made director of the main board of I.C.I. in 1944, and in 1947 was appointed chairman of Scottish Agricultural Industries,

Ltd. He was awarded a doctorate of Glasgow University for a thesis on the chemistry of the radio elements, and was Castner memorial lecturer and Glasgow University bicentenary lecturer in 1947.

MR. WILSON McDonnell, M.P.S.N.I. (proprietor of C. & J. Montgomery, Royal Avenue, Belfast) conducted a programme that was broadcast recently from the Northern Ireland station of the B.B.C.; five church choirs took part.

BUSINESS CHANGES

THE BRITISH STANDARDS INSTITUTION has appointed Mr. H. A. R. Binney, C.B., director and secretary.

POTTER & CLARKE, LTD., Artillery Lane. London, E.I, have appointed Mr. S. Rivlin their representative in South-west London.

INGRAM & ROYLE, LTD., have removed to 50 Manchester Street, London, W.1 (telephone: Welbeck 7813).

BOOTS, LTD., have opened new branches at 29 North John Street, Liverpool, 2, and at 493 Prescot Road, Old Swan, Liverpool, 13.

Burroughs Wellcome & Co., have appointed Mr. R. L. Champion, M.A., their public relations officer and editor of the company's house magazine.

MILLERS (dispensing chemists) have taken over the pharmacy of Russells (Chemists), Ltd., at 2 Firs Lane, Leigh, Lancs.

GEORGE CRAWFORD (BELFAST), LTD., are removing to 63 Victoria Street, Belfast, on February 1. The telephone number will remain unchanged (Belfast 27617).

Orridge & Co., 184 Strand, London, W.C.2, have established an office at 3 Rumford Place, Liverpool, 3 (telephone: Liverpool Central 7523).

MR. S. G. BUNNELL, M.P.S., has acquired the pharmacy at 42 Tweedale Street, Rochdale, Lancs, formerly owned by the Rochdale Co-operative Society, Ltd.

VITAMINS, LTD., Upper Mall, London, W.6, have appointed Mr. John R. Cobban their special technical representative in the Caribbean area. He has already arrived in Jamaica, his headquarters.

BRIGHTSIDE AND CARBROOK CO-OPERATIVE SOCIETY, LTD., have transferred their pharmacy, formerly at 39 Exchange Street, Sheffield I, to 24 Angel Street. They have appointed Mr. O. Griffiths, M.P.S., as their superintendent chemist.

HEALTH SERVICES IN NORTHERN IRELAND

A STATEMENT adopted by the General Health Services Board for Northern Ireland at its December 1950 meeting shows that the months in respect of which balances payable to chemist-contractors are due to the current financial year are November and December 1950 and January and February 1951. The months of March to December 1951 will be paid in full and interim payments only will be made in respect of January and February 1952. The figures for 1950-51 show a uniform increase over 1949-50 of approximately 40,000 prescriptions each month. As that is the first appearance of uniformity it appears reasonable to assume, the Board states, that 1950-51 may be a representative year. Accordingly, estimates are based on similar figures in 1951-52 but provision is made for a steady increase in cost tending to level towards the end of the year. The total estimate for pharmaceutical services is £1,463,620, a decrease of £76,125 compared with 1950-51.

Serious View of Cost

The Board decided that doctors should be informed that a serious view is taken of the high cost of drugs and appliances and pharmaceutical services; that medicines and appliances selected by or on behalf of a patient must not be supplied when demanded except for the treatment of definite clinical conditions. A summary of explanations from seventy-one doctors for their high average cost of prescribing was The pharmacist member gave submitted. details of prescriptions issued by a doctor on the Board's forms for the period June-December 1950. These included 230 5-c.c. bottles of injectable liver extract, averaging 6.46 c.c. per day, and 336 oz. of oral liver extract (average 1.88 oz. per day). The Committee considered that the doctor should be interviewed and the case referred to the central medical committee for decision. The Board decided that representations should be made to the Ministry of Health to have chloramphenicol included in the special list of drugs for which dispensing doctors were entitled to receive extra payment.

It was ordered that £84 should be deducted from the remuneration of a doctor who prescribed for patients for whom he was required to supply drugs without extra payment. The Drug Pricing Bureau was

authorised to destroy prescription forms which they had held longer than two years.

A letter from the Ministry of Health advocated the display in doctors' surgeries of a list of chemists open on Wednesday afternoons. McGregor. Mr. IOHN M.P.S.N.I., said that if this suggestion was adopted it would be only fair to have the names of chemists open on Saturday afternoons similarly advertised. The rota scheme was working satisfactorily and no com-plaints had been received. It was agreed that a notice should appear in the next "Medical Services Bulletin" requesting doctors to co-operate in ensuring that the public were aware of the facilities available to them under the Health Services.

HEALTH SERVICE IN SCOTLAND

REVIEWING the progress of the National Health Service in Scotland during 1950 the secretary of State for Scotland (Mr. Hector McNeil) said, at a recent Press conference in London, that Scottish people were "becoming too medicine-bottle minded." Prescriptions were now supplied at a rate approaching four per head of the population per year compared with just over three a year ago. The number of patients on doctors' lists was 5,009,842 which represented 97.6 per cent. of the population. There were 1,913 pharmacies and appliance suppliers.

Centralised Buying

Mr. McNeil announced that in the ensuing financial year, for the first time, orders for all drugs and medicaments to be used in all the Scottish Health Service hospitals were being placed centrally. The object was to save money, or, at worst, to minimise the effects of steadily rising costs. Every effort had been made to encourage Scottish firms to tender, and six Scottish manufacturers so far had tendered successfully for particular items—one of them for more items in the drug and medicine list than any other firm in the United King-dom. Other contracts had been obtained by the Scottish agents of goods manufactured in the South. He emphasised that if considerable savings were to be made in the hospital service either salaries must be cut or means must be found of making do with fewer staff.

TRADE NOTES

A.P.C. Combination.—On another page Abbotts Druggist, Ltd., 338 Kilburn High Road, London, N.W.6, give details of their Alfan tablets, containing aspirin, phenacetin, caffeine, etc.

Available on Prescription.—Parke, Davis & Co., Staines Road, Hounslow, Middlesex, draw attention to Chloromycetin, which is now freed from the restrictions previously imposed by the Ministry of Health. It is issued in containers of twelve 0.25-gm, capsules.

Dry-closing Cachets.—The pre-war series of dry-closing cachets marketed by Britton, Malcolm & Co., Ltd., 38 Southwark Bridge Road, London, S.E. I, is again available in sizes oo, 0, 1 and 2 (approximately 3, 5, 10 and 15 gr.). Cachet-closing machines in corresponding sizes are also in stock.

Distribution Delays.—Potter & Clarke, Ltd., Artillery Lane, London, E.I, announce that, as a result of demand far in excess of manufacturing capacity, some delay is likely in the dispatch of Potter's catarrh pastilles. Every effort will be made to send out supplies to meet all orders as soon as possible.

Vitamin and Bone-meal Granules.—Ossivite granules, which are being put on the market by John Wyeth & Bro., Ltd., Clifton House, Euston Road, London, N.W.1, are flavoured granules presenting in each heaped teaspoonful 1.38 gm. bone-meal and 2,000 international units calciferol with certain trace elements including fluorine. The pack is a 75-gm. jar.

Expanding Stopper. — The British Vacuum Flask Co., Ltd., are now marketing a Seal-aVac expanding stopper to fit any make of vacuum flask. The stopper is supplied to retailers in colourfully designed display cartons each containing twenty-four stoppers in different shades individually wrapped in transparent tissue and accompanied by an instruction leaflet for fitting.

Additions to Ranges.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.I, announce the introduction of a strength of 200,000 international units per product of Tabloid brand penicillin for oral administration, and of a strength of 15,000 i.u. per product of Tabloid penicillin hypodermic. Both are in tubes of ten. Histantin brand chlorcyclizine hydro-

chloride, the company's recently introduced antihistamine compound, is now available also in bottles of 100 Tabloid products.

Show Material.—Three new sales aids are available from Crookes Laboratories Ltd., Park Royal, London, N.W.10, to support Press publicity for Crookes iodine oil, They comprise a cut-out of a hand holding a bottle of Crookes iodine oil (the



card carries a slogan and is designed to fit on to a 1-oz. pack), a silver-and-blue showcard giving the major selling facts; and a roundel that can either stand on its own or be fitted over one corner of the showcard, and is printed in Dayglo ink. To link with the appeal, the company's Athletes' Advisory Service has reprinted a pamphlet on light massage and athletic fitness, and chemists will be able to distribute copies free to customers. The current bonus terms of thirteen to the doz. on 1-oz. and 4-oz. packs continue.

Dairy-show Successes. — A. Wander Ltd., 42 Upper Grosvenor Street, London, W.I, record the total of ninety-one awards for their Ovaltine Jersey herd in the principal dairy shows of 1950. During the past ten show seasons the herd has won over 1,100 awards, including many championships.

Now in Nebuliser Container. — Ciba Laboratories, Ltd., Horsham, Sussex, state that, following the successful introduction of their Antistin-Privine nebuliser during the summer of 1950, they have decided to introduce Privine solutions in that type of container. The nebuliser provides an efficient and economical means of administering Privine solution (which will be

available in 1:1000 and 1:2000 concentrations) into the nasal mucosa. The solution is stated to be particularly well tolerated, and one or two applications may be given three to five times daily.

Festival Souvenirs.—R. Demuth, Ltd., Bear Lane, Farnham, Surrey, have been granted a certificate by the Festival of Britain Souvenir Committee for their products Frozoclone and Frozolavender. The certificates are issued only in respect of packs or products that can claim, for one reason or another, to be indicative of British achievement. Messrs. Demuth point out that, while it may be expected that the packaging industry will secure several certificates, the number likely to be granted for the nature of the product will probably be limited, and they therefore feel especially honoured at the recognition given to the company's products by the Souvenir Committee.

Price Changes.—Delavelle (Sales), Ltd., 35 Old Bond Street, London, W.I, announce increases in prices of some of their specialities, operative as from November 15, 1950. Details are now being circulated to the trade. A price list is available on application. - ELLIMAN, Sons & Co., LTD., Slough, Bucks, state that, owing to the increased cost of raw materials, they have been compelled to revise prices of their Royal and Universal embrocations from January 29.—WILLIAM FREEMAN & Co., Ltd., Barnsley, Yorks, give details on another page of new prices of Suba-Seal hot-water bottles in operation as from January 1. — HERTS PHARMACEUTICALS, LTD., Welwyn Garden City, Herts, announce new prices for Nivea creme from January 15. Bonus terms will remain as at present (with £5 minimum parcel quali-

fying for bonus).-H. R. NAPP, LTD., 3 Clements Inn, London, W.C.2, announce that, owing to a sharp increase in the price of raw material, metaldehyde bars have been advanced in price as from January 1.-Parke, Davis & Co., Hounslow, Middlesex, announce that revised prices became effective on January 8 for adrenaline chloride solution in ampoules, aspirin compound tablets (CT611), aspirin compound with dover powder tablets (CT579), aspirin, phenacetin and codeine tablets (CT726), mentholated bronchial lozenges, glycerophosphate compound ampoules, morphine sulphate hypodermic tablets, gr. ½, and thyroid gland Emplets, gr. ¼.—F. Sumner & Co., Ltd., 40 Hanover Street, Liverpool, regret that, owing to increased costs of production, the price of their Vitasac baby food is being increased. The new price comes into operation on February 1.

Products for Whooping-cough.-Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, point out that the Eumydrin preparation used in the treatment of whooping-cough is Eumydrin drops (0.6 per cent, alcoholic solution of atropine methyl nitrate). Eumydrin solution tablets and powder, and aqueous solutions made with Eumydrin, are less satisfactory, since the dosage cannot be so readily controlled. The dosage of Eumydrin drops usually adopted by prescribers is: One to two years: 1 drop four-hourly; two to four years: 2 drops four-hourly; four to six years: 4 drops four-hourly; six to ten years: 6 drops four-hourly; over ten years: up to 8 drops at similar intervals. product is a Schedule 1 poison. The pack in which Eumydrin drops are issued is a 15-mil bottle.

T WORK IN A NEW DFFICE: One of the eneral offices in recently onstructed extensions at he headquarters of a r n e g i e Chemicals Welwyn), Ltd., Welwyn Garden City.



PROPRIETARY ARTICLES TRADE ASSOCIATION

Additions to Protected List (Part 2).

—Edwards Harlene, Ltd., Harlene tonicdressing for men, 18s. doz., tax 100 per
cent., inclusive retail price 3s. 6d.

Bristol-Myers Co., Ltd., Mum lotion (distributors: Scott & Bowne, Ltd.), 16s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p.

2s. 6d.

Northam Warren, Ltd. (agents: J. C. Gambles & Co., Ltd.), Cutex nail brilliance, 210/222 N. liquid polish, 16s. 9d. doz., tax 100 per cent., i.r.p. 3s. 6d. Liquid pearl, 24s. doz., tax 100 per cent., i.r.p. 5s. No. 341, Odorono spray, 25s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 3s. 11d.

Alterations to Protected List (Part 2).

—Bristol-Myers Co., Ltd. (agents: 7. C. Gambles & Co., Ltd.), Ingram's shaving cream, 18s, doz., tax 33\frac{1}{3} per cent., i.r.p.
2s. 9d. Ipana tooth-paste, 18s. doz., tax 33\frac{1}{3} per cent., i.r.p. 2s. 9d. 11s. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 8d.

County Perfumery Co., Ltd., Brylshave (B.1. & B.2.), large tubes and jars, 13s. 8d. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 11d. Nicota tooth-paste (N.2.), 8s. 10d. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 3d.

International Chemical Co., Ltd., Anne French cleansing milk, 16s. 9d. doz., tax 100 per cent., i.r.p. 3s. 6d. 36s. doz., tax 100 per cent., i.r.p. 7s. 6d. Kolynos dental cream, 10s. 9d. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 6d. 16s. 3d. doz., tax 33\frac{1}{3} per cent., i.r.p. 2s. 3d.

Modern Electrical Industries (Southern), Ltd., Correction: Warmabed De Luxe electric blankets, junior size discontinued; double size, £8 5s. each, tax 33\frac{1}{3} per cent., i.r.p. £13 13s.; single, £5 12s. 6d. each, tax 33\frac{1}{3} per cent., i.r.p. £9 6s.; 3-heat models, double, £9 15s. each, tax 33\frac{1}{3} per cent., i.r.p. £16 2s. 7d.; single, £6 7s. 6d. each, tax 33\frac{1}{3} per cent., i.r.p. £16 2s. 7d.; i.r.p. £10 11s.

Northam Warren, Ltd. (agents: 7. C. Gambles & Co., Ltd.), Cutex manicuring series. Cuticle remover T.1; liquid polishes T.10/22; cuticle cream T.13; cutice oil T.14; polish foundation T.23; polish remover T.30, 12s. doz., tax 100 per cent., i.r.p. 2s. 6d. Nail shampoo, No. 3, 14s. 6d, doz., tax 100 per cent., i.r.p. 3s. Hand cream, No. 7, 19s. doz., tax 100 per cent., i.r.p. 3s. 11d. Lipsticks: No. 275, 24s. doz., tax 100 per cent., i.r.p. 5s. Lipstick refills: No. 275R, 14s. 6d. doz., tax 100 per cent., i.r.p. 3s. Revised

window display terms. The discount of 5 per cent. formerly allowed on £3 orders now applies to £4 and upwards. Odorono deodorant cream, No. 321, 16s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 2s. 6d.; No. 327E, 9s. 9d. doz., tax 33\frac{1}{3} per cent. display discount formerly allowed on 40s. orders now applies to £3 and upwards.

A. Wander, Ltd., Ovaltine chocolate, 6s. 5d. doz., $7\frac{1}{2}$ d., Ovaltine rusks, 13s. $1\frac{1}{2}$ d.

doz., 1s. $4\frac{1}{2}$ d. (exempt).

Prichard & Contance (Mfg.), Ltd., Amami preparations: E21, shampoo, liquid soapless, 7s. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s.; E24, shampoo, liquid pine-tar, 7s. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s.; E31 and 33, wave set, small, 6s. 8d. doz., tax 100 per cent., i.r.p. 1s. 4d.; E40, brilliantines, 6s. 8d. doz., tax 100 per cent., i.r.p. 1s. 4d.; E53, polish remover, 6s. 8d. doz., tax 100 per cent., i.r.p. 1s. 4d.; E60, nail polish, 6s. 8d. doz., tax 100 per cent., i.r.p. 1s. 4d.; E60, nail polish, 6s. 8d. doz., tax 100 per cent., i.r.p. 1s. 4d.; I.s. 4d.

Scram Products, Ltd., Scram mouse repellent, single doz. pack, 8s, 9d., threedoz. packs, 26s, 3d., 1s., exempt from tax. Window and counter display terms: threedoz. and one-doz. display box: 1 doz. 1s. size, 8s. 9d.; three doz., 8s. 9d. doz.; six or nine doz., 8s. 7d. doz.; twelve doz., 8s. 3d. doz.; twenty-four doz. 8s. 3d. doz.; less 2½ per cent.; thirty-six doz., less 5 per cent.; sixty doz. and over, 8s. 3d. doz.,

less 10 per cent.

Potter & Clarke, Ltd., Thompson's dandelion coffee essence, $\frac{1}{4}$ lb., 10s. doz., 1s. 2d.; $\frac{1}{2}$ lb., 15s. doz., 1s. 8d. (all exempt from tax).

Macleans, Ltd. Macleans shaving-cream, 13s. 3d. doz., tax $33\frac{1}{3}$ per cent., i.r.p.

is. iod.

Stemco Ltd., Flit, 16-oz., 23s. doz., 2s. 9d.; 32-oz., 42s. doz., 5s.; 160-oz., 168s. doz., 2os. Flit handsprayer, 28s. doz., 3s. 3d.

Middleton & Co., Ltd., 90 Boundary Road, Middlesbrough, were recently elected to membership of the wholesale section.

Pin-Up Cold Perm Wave, Ltd., Purchase tax on home permanent-wave outfits reduced to 33\frac{1}{3} per cent. Pin-Up junior outfit, 24s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 3s. 8d., Pin-Up refill, 36s. doz., tax 33\frac{1}{3} per cent., i.r.p. 5s. 6d. Popular outfit, 48s. doz., tax 33\frac{1}{3} per cent., i.r.p. 7s. 4d. salon-type, 72s. doz., tax 33\frac{1}{3} per cent., i.r.p. 11s.

CHEMICAL RESEARCH LABORATORY, 1949

THE report for 1949 of the director of the Chemical Research Laboratory, Teddington, recently published, gives details of an investigation by the Laboratory's organic group to discover whether any of the products of hydrogenation of piperidine had insecticidal properties. Piperidine was heated in an atmosphere of hydrogen in the presence of a nickel catalyst at 230-250° C. From the liquid product four main constituents were identified; of these N-n-amyl-piperidine and N-cyclopentylpiperidine were found effective in rapidly "knocking down" grain weevils but without rapid mortality, whereas NN'-pentamethylene-dipiperidine produced 100 per cent. mortality after seventy-two hours. An investigation into the insecticidal properties of alkyl substituted N derivatives of piperidine showed that the higher homologues were more effective, whereas it was found that of the NN' polymethylene derivatives the lower homologues were more effective.

The critical study of the automatic recording of freezing point curves was continued, and new apparatus designed, in which agitation was produced by the movement of a solid body instead of by the movement of a solid through the liquid. In that way agitation could be continued to a late stage in the solidification and contamination with atmospheric moisture was obviated. The amount of sample could

be reduced to 10-20 c.c.

Miscellaneous investigations undertaken by the group included work on the determination of sulphur in N-containing compounds. The lamp method was dropped in favour of a technique whereby organic liquid to be burned is sprayed with air into a heated silica tube containing platinum scrap. The combustion is effected more rapidly and the use of a combustible diluent (e.g., alcohol), which itself may contain sulphur, is avoided.

Micro-analysis

The inorganic group assembled a compact unit designed for micro and semimicro determination of carbon and hydrogen. After a few minor alterations, it proved satisfactory in trials. Much time was devoted to studying the estimation of sulphur in sulphonated cross-linked polystyrene resins by microchemical methods. Miscellaneous tasks which the group undertook included tests on the suitability of plastic stoppers in volumetric flasks. Considerable progress is reported in inorganic paper chromatography. The separation of the chlorides of barium, strontium and calcium was re-examined and the conditions necessary for success more exactly defined. Cobalt, copper, iron and zinc—a combination met with by workers in trace elements—could be separated easily using chloride solutions and two solvents. The quantitative estimation of nickel, manganese, cobalt, copper and iron is described. A number of intermediates containing C¹³ and C¹⁴ were prepared during the year. Patents were granted or applied for during the year for improvements in the production of amines and for an automatic fraction collector.

Copies of the report (contained in the publication entitled "Chemistry Research, 1949") are obtainable from H.M. Stationery Office, York House, Kingsway, Lon-

don, W.C.2, price 3s. each.

SEAWEED RESEARCH

A NEW laboratory of the Scottish Seaweed Research Association, equipped primarily for the development on a pilot scale of chemicals from seaweed, was opened by Mr. Hector McNeill (Secretary of State for Scotland) at Inveresk Gate, Midlothian, on December 22, 1950. Named after the late Professor J. Masson Golland, F.R.S. (a Jesse Boot professor of chemistry at Nottingham University, and a pioneer worker for the Association), the laboratory is the first semi-technical chemical laboratory to be built in Britain at a Government-aided research institute not dealing with defence. The Association states that its research has shown that, from the Scottish coasts, 200,000 tons of dry brown seaweed are potentially available each year. That amount would yield 30,000 tons of alginic acid, a slightly larger quantity of mannitol, nearly 40,000 tons of laminarin (seaweed starch), and over 5,000 tons of a recently discovered product, fucoidin, and smaller quantities of proteins, fats, sterols, amino acids, etc. Workers at the laboratory are to attempt to find economic outlets for those products and to prepare bulk samples for trial by members of the Association. In addition, attempts will be made to develop economic processes for the pro-duction of the compounds on an industrial The laboratory is housed on an eleven-acre site, and has 2,400 sq. ft. of floor space.

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OL. CLV JANUARY 13, 1951

No. 3699

Setback in Research on "Artificial" Colds

NDICATIONS that artificially transmitted olds are less infectious than natural colds ire provided by experiments undertaken by Andrewes and colleagues of the Comnon Cold Research Unit of the Medical Research College and the Ministry of Health ("Lancet," 1951, 1, 25-27), using olunteers isolated on an island off the coast of Sutherland. The investigation, which was aimed at discovering the route by which colds are transferred from person to person, used a party of twelve volunteers who were taken to the island for a period of three months (including ten weeks in isolation). A small outbreak of colds that occurred at the beginning of the period rapidly cleared up and there were no more during the remainder of the After ten weeks the party was visit. divided into three equal groups (A, B and C) which were then isolated from each other. Group C was visited by two persons who had had no colds for several months. Six people with artificially produced colds spent three hours in a room of group A's house, liberally contaminating various objects. After they had left, the room was well aired to remove airborne particles. Group A then reoccupied the room and its members freely handled the contaminated objects. Group B members were tested for susceptibility to airborne They occupied a sealed room infection. with the six cold sufferers, but were separated from them by a blanket wall which

did not touch either floor or ceiling. Group C mixed freely with the six visitors for four days. No colds were caught by any of the twelve volunteers. Later four more people with "artificial" colds and a crofter with a "natural" cold arrived on the island. Group A subjects were allowed to come into contact with the "artificial" colds only, B with the "natural" cold only and C with both. Again no colds resulted in those exposed to artificial colds only (group A) while three of Group B succumbed. No colds developed in group C. It was concluded that the artificial colds are not representative of natural colds as regards infectivity and suggested that this may be due to attenuation of the infecting organism during storage or transfer.

Inventions for the Nation

THE first annual report of the National Research Development Corporation, recently published, shows how the organisation, which was set up under the Developand Inventions Act, 1948 (see ment C. & D., 1949.I.825), is applying itself to its novel tasks. Those tasks are, briefly, to secure for the public interest the exploitation of inventions resulting from public and other researches and to hold and grant rights of exploitation. With few precedents to guide it, the Corporation must decide how to act in the public interest, and must balance its accounts and work in collaboration rather than in competition with existing industries-requirements which, as was pointed out during the passage of the Bill through Parliament, may easily prove conflicting. poration is guided in the formation of its policy by the aims of (a) improving the and competitive British industries, (b) securing export markets (particularly in hard-currency territories), (c) reducing imports (especially from those areas), (d) earning royalties from abroad, and (e) developing British machines, instruments, processes and products. The inventions of industrial research associations remain the property of members, but where necessary the Corporation helps the associations to exploit such inventions. The difficult decision whether to grant a manufacturing licence to one or a

number of manufacturers is made largely on the nature of the invention. Where, for example, the invention is a modification involving increased efficiency in production, it is normally made generally available. Where an academic scientist, while working in association with a manufacturer, refers to the Corporation an invention made by him, exclusive rights of exploitation are normally given to the manufacturer. During the first year of the Corporation's activity nearly a thousand inventions have been referred to it, including 444 from Government Departments and 485 from members of the public, but -rather surprisingly, considering the special machinery introduced to handle them -none from industrial research associations.

Shortages, Real and Artificial

THE extent to which the situation in the United States influences the prices and available supplies of natural raw materials throughout the world today is perhaps nowhere better shown than in the rising costs and growing shortages that are now being experienced in Britain. Though it is understandable that stockpiling of materials necessary for defence should drain many markets of supplies that would otherwise go for peacetime purposes, not all the scarcities are due to that cause. As Francis Chilson points out in the U.S. monthly "Drug and Cosmetic Industry," "hoarding is the process by which the other fellow buys material in abnormal amounts, thereby creating scarcity and a higher price." In the United States today it is not confined to commodities of which shortages occurred during the 1939-45 "Of course," as the same writer states, "in this industry we do not hoard; we merely buy up more than we need." The result, no doubt, is the same, and there are only two ways of obviating it. One is by self-discipline and the other is by Governmental control, such as this country became accustomed to during the 1939-45 war. It is significant that the hint is given that "if the war spreads, as well it might, we in this country will know the meaning of stringency as the British have known it for many years."

A PHARMACIST'S ANTHOLOGY

"This way," continued the physicia "this way," marshalling his guest into I lodging,—"take care you stumble not ov a retort, for it is hazardous for the ignorant to walk in the ways of art."

The page found all reason for the cation; for besides stuffed birds, and lizard and bottled snakes, and bundles of simpl made up, and other parcels spread out dry, and all the confusion, not to mention the mingled and sickening smells, incide tal to a druggist's stock in trade, he has also to avoid heaps of charcoal, crucible bolt-heads, stoves, and the other furnitu

of a chemical laboratory.

Amongst his other philosophical qua-ties, Doctor Lundin failed not to be a cofused sloven, and his old housekeepe whose life, as she said, was spent in "re ding him up," had trotted off to the ma of gaiety with other and younger folk Much clattering and jangling therefold there was among jars, and bottles, ar phials, ere the Doctor produced the salut ferous potion which he recommended s strongly, and a search equally long an noisy followed . . . ere he could bring fort a cup out of which to drink it. Both ma ters being at length achieved, the Docto set the example to his guest, by quaffir off a cup of the cordial, and smacking h lips with approbation as it descended h gullet. - Roland, in turn, submitted t swallow the potion which his host searnestly recommended, but which h found so insufferably bitter, that he becam eager to escape from the Laboratory i search of a draught of fair water to expe the taste. In spite of his efforts, he wa nevertheless detained by the garrulity of his host, till he gave him some account of Mother Nicneven. . . .

"You say well, young man," said Doctor Lundin; "for mine own part, I known on such pests to the commonwealth at these old incarnate devils, who haunt the chambers of the brain-sick patients, tha are mad enough to suffer them to interfere with, disturb, and let, the regular progress of a learned and artificial cure, with their sirups, and their julaps, and diascordium, and mithridate, and my Lad What-shall-call 'um's powder, and worth Dame Traschem's pill; and thus mak widows and orphans, and cheat the regu

lar and well-studied physician.

From "The Abbot," by Sir Walter Scott

TANGANYIKA ESSENTIAL OILS

own, Islip and other workers at the lonial Products Advisory Bureau, Imrial Institute, London ("Colonial Plant d Animal Products," 1950, 1, 2), report essential oils from geranium, rosemary, d Helichrysum kilimanjari produced in nganyika.

ranium

Three samples were examined of oil proced from the leaves and stalks of species Pelargonium. Two (from P. capitatum) re yellowish-green or greenish-brown in our; the third, from another variety, s reddish-brown. All samples possessed characteristic rose-like odour of geraum oil, and were considered superior to mples previously examined at the Instite. Comparisons were made with Parry's nges of figures for commercial Algerian d Bourbon (Réunion) oils. Sample 1 reed with Parry's constants except that e ester value was high-equivalent to .5 per cent. expressed as geranyl tigte. Sample 2 had an ester value higher an that of Algerian oil and fell within nges of constants quoted by Parry for mmercial geranium oils, except for beg less soluble in alcohol. Sample 3 possed a specific gravity and refractive inx greater than either Algerian or Bouron oils, and its optical rotation was eater than that of the Algerian product. he sample was not soluble in 70 per cent. cohol, but otherwise fell into the range constants. Samples of the oils were bmitted to essential-oil distillers and permers, who gave the opinion that oil simir to sample would have had no difficulty finding a market in the United Kingm to replace Algerian or Bourbon oils. he yield of oil (0.03 per cent.) compared favourably with that of Algerian or Rénion varieties (0.1-0.15 per cent.), but as probably affected by inefficiency in e home-made still used, or by the incluon of large quantities of stalk with the aves when charging the still. The Bureau nsiders that oils similar to the samples ould compete successfully with French lonial oils.

osemary

The sample of rosemary oil examined ad the characteristic camphoraceousneole odour, but also had a foreign resiual odour suggestive of rose. It conformed to the requirements of the British Pharmacopæia, apart from a slightly lower figure than the specified weight per mil. Its constants were like those of Spanish oil, though its total alcohols figure was higher. Essential-oil distillers were divided in their views on the quality of the oil. One thought that the sample was tainted, probably with geranium oil, hence the rose-like residual odour.

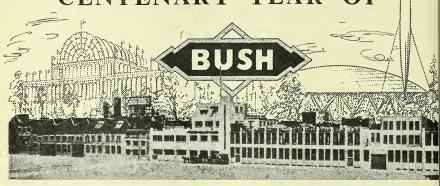
Helichrysum

The sample of oil from wild flowers of Helichrysum kilimanjari was compared with the ranges of constants of oil of H. angustifolium of Dalmatian and Italian origin. There was fair agreement, though the presence of aldehydes was noteworthy, as no aldehydes had been previously recorded in essential oils from Helichrysum spp. On account of its odour and fixative power, the oil could be used in perfumery: its quality could probably be improved by cultivation.

COLONIAL RESEARCH

A HANDBOOK "Colonial Research 1940-50," brings together the reports of the Colonial Research Council and of six specialist advisory bodies (for one of them—the Colonial Medical Research Committee—its fifth annual report). The book records progress in research schemes devoted to leprosy in south-east Asia, loiasis in the British Cameroons, malaria in Jamaica and East Africa, and in schemes for combating filariasis in Tanganyika and virus diseases in Nigeria. In Malaya it was found that, while proguanil (Paludrine), mepacrine and chloroquine in weekly doses had each a suppressive value, proguanil - resistant strains of Plasmodium falciparum had appeared. In Malayan rural areas, comparisons were being made experimentally of the values of weekly administrations of proguanil with the results of house sprayings with DDT or Gammexane, Confirmation of the efficacy of Chloromycetin against scrub typhus was provided by continued trials. Chloramphenicol suppresses multiplication of the organism while allowthe patient to develop his own natural defences. Aureomycin was found to be equally effective. Copies of the report are obtainable from H.M. Stationery Office, York House, Kingsway, London, W.C.2, price 3s. 6d. each.

CENTENARY YEAR OF



URING 1951, W. J. Bush & Co., Ltd., essence distillers and chemical manufacturers, are celebrating in various ways the completion of a century of activity and expansion. At evening receptions during the holding of important trade exhibitions the directors and appropriate members of the staff will be "at home" to members of the trades concerned. For the chemical and perfumery industries and a proportion of the food industries the evening receptions referred

to will number four and will be held ding the British Industries Fair in May, a date to be announced the employees the Ash Grove, Hackney, headquart and associated units will foregather at Festival of Britain concert hall for a chration that will include a tour of South Bank exhibition. Similar enterty ments for trade friends and for employwill be arranged by the company's or seas establishments and for employees the Widnes, Lancs, factory. A center

book setting briefly the hist of the compa illustrating establishments plant. provid an album of p traits of person ties (direct heads of dep ments and exe tives) connec with the busin and incorporat a desk diary 1951, has



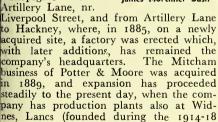
TRANSPORT CON-TRASTS: Above, the expedition department in 1951. At right, some of the company's delivery vehicles in 1914. The Ash Grove head-quarters of the company form part of the title-piece to the article.



THE FOUNDER AND SUCCESSIVE CHAIRMEN

istributed (6,000 opies in English nd 600 copies in panish).

The business of V. I. Bush & Co., td., was founded n the year of the Freat Exhibition. vhen William John Bush . (1829-89)mbarked at the ge of twenty-two the preparatinctures of ion nd extracts and he steam-distillaion of the volaile constituents of nerbs, woods and pices. Not conent with existing lemands for those broducts, he set ut to create new nes, applying nimself with such uccess to his task hat larger premises rapidly became necessary. There were successive removals from Bishopsgate t o





William John Bush



W. E. Baron de Bush



James Mortimer Bush



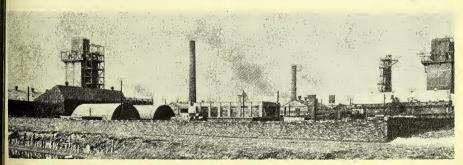
P. C. C. Isherwood

war); Witham, Essex; Grasse, France; and Dublin, Eire; and overseas establishments or agencies in Central and South America, the British West Indies, Canada, Australia, New Zealand, and the United States.

The founder died in 1889, and control was taken over by his eldest William son. Ernest, Baron de Bush, who had made the business known throughout Europe as one of the most progressive chemical manufacturers the Continent, and who became chairman when the company was incorporated in 1897. Under him were set up factories and offices in Australia, S. Africa and America, and

the world-wide character of the business intensified. The premises in Grasse, for the treatment of produce from the Alpes Maritimes, were acquired in 1906, and in 1912 the Canadian company was established. Dr. P. C. C. Isherwood, the present chairman, joined the business in 1901, was made joint managing director in 1935, and in 1941 became chairman.

Below: The Chemical Works at Widnes, Lancs



CLAIMS FOR LOSS OF DEVELOPMENT RIGHTS

EBRUARY I is the final date on which claims may be made under rights conferred by the Town and Country Planning Act, 1947, for compensation in respect of war damage, and it is therefore opportune to bring those rights under review.

Rights Lost to the State

The Act took away from private owners the right to develop their property and vested that right in the State. Consequently an owner who desires to carry out any development is in most circumstances liable to pay a development charge, the amount of which is determined by the Central Land Board. Development may consist of a change of user but may also cover alterations and extensions premises without any change of user. Under the War Damage Act, either a cost-of-works payment or a value payment is payable in respect of premises that have undergone damage. The cost-ofworks payment ordinarily represents the cost of the work necessary to reinstate the property but, if that exceeds the difference between the values of the property in its original and in its damaged states, then no cost-of-works payment is awarded and a value payment is substituted. There are, however, circumstances in which a "converted value payment" is payable. They occur where the damage ranks primarily for a cost-of-works payment yet, because of the compulsory acquisition of the property by a Government department or local authority, or because the owners of the property do not desire to repair it, a value payment becomes payable instead. In determining the amount of the value payment no regard is paid to the fact that the owner has been deprived of his development rights. The War Damage Act was passed in 1943, and the new law transferring development rights in the State only on July 1, 1948. In assessing the amount of the value payment, therefore, the commission pays full regard to the fact that the property was at the time capable of ordinary development. In some places it may happen that the value of the property in its damaged state may have increased by becoming capable of development—as with antiquated property in a district in which a great deal of development is taking place (and where, therefore, the most profitable way of utilising the property is by pulling it down an rebuilding it as modern shops).

As an example, a property may have value in its war-damaged state of £1,00 on the assumption that it can be used on in the same way as previously, but ma have a value of £2,000 on the assumi tion that it could be redeveloped int modern shop property. Assuming that th original building before damage was wort £3,000, the value payment is diminishe by £1,000 because from the figure £3,000 one has to subtract not £1,000 bi £2,000 (the value of the property on the assumption that it can be fully developed Therefore the owner of the property woul have received, by way of value paymen about £1,000 less than he would have received had he been restricted to rebuild ing the same type of property and no redeveloping such property by the erec tion of modern shops. That £1,000 wirepresent, in substance, the value of th development rights taken away by th Town and Country Planning Act.

Compensation Scheme

To meet such cases the Town an Country Planning Act provides for th payment of compensation and a schem—the Planning Payments (War Damage Scheme, 1949 - has been worked out t give effect to the provision. To recove compensation under the scheme the owne of the property must establish that a valu payment has been awarded by way of com pensation by the War Damage Commis sion and must show that the amount c that value payment has been diminished or even extinguished altogether through the valuation of the war-damaged premi ses having been taken at a higher figur because of the prospects of development To make the claim, a form, SI, is ob tained from the Central Land Board o from any of its branch offices, and th claim is filled in and sent to the Centra Land Board not later than February 1 1951, or before the expiration of six months from the date of the determina tion by the War Damage Commission o the value payment, whichever date is the later.

Claims for compensation for loss of development rights in property that was no war-damaged were required to be made to the Central Land Board before June 30, 1949. Where such a claim was made

that is now necessary is to write to the ntral Land Board stating that it is deed that the claim already made shall treated as a claim under the Planning yments (War Damage) Scheme, 1949. he notice must, of course, be given withthe time limits already mentioned. If claim in respect of war-damaged premiunder the Scheme is being made for e first time, notice should be given to Board at the same time that e claimant desires the claim in resct of the war-damaged property to treated also as a claim for genal loss of development rights under the To determine the amount of mpensation recoverable in respect of ar-damaged premises under the Planng Payments Scheme, three sums have be ascertained. The first is the developent value of the property (in substance e difference between the value of the operty with permission to carry out the ost profitable development and its value th permission only to replace the war-

damaged building). The next step is to determine the extent to which the restricted value of the property has been depreciated by reason of the war damage. Thirdly, to determine what the value payment itself is—a sum that will have been assessed by the War Damage Commission. Thus, if the value payment is £X, and the development value (say £1,000) exceeds the war-damage depreciation by £500, the amount of compensation payable under the scheme is the excess of such wardamage depreciation over the value payment (£X-£500). If, on the other hand, the war-damage depreciation in the restricted value (£500) is equal to or exceeds the development value (say £300), then the amount of compensation under the scheme is equal to the amount of the development itself (£1,000). If there is any difficulty experienced in filling up the necessary figures, recourse should be had to a surveyor who is an expert on values. The important thing is to take action before rights are lost.

SCOTTISH PRESCRIPTION PRICING

URING December 1950, chemist contractors in Scotland were asked to choose one three methods for the pricing of their rescriptions dispensed during the period ctober 1949 to December 1950. An nalysis of the reports shows that 66 per ent. chose method 1 (see below), 1.5 per ent. chose method 2 and 16 per cent. nose method 3. About 280 (out of 1,750) ontractors did not return their forms. he suggested methods of pricing were riefly as follows:—

Method 1: Payment of all forms at the lean average rate for April and October

950 forms.

Method 2: The pharmacist to price all roup A forms himself for the fourteen nonths in arrears and complete the work y mid-January; group B forms to be paid t the mean average rate for his April and october 1950 forms.

Method 3: The bureau to price all roup A forms and pay in full; group B orms to be averaged as in method 2. From January 1, the pharmacist to price III forms containing (a) an ingredient cost of 6s and over; (b) a dispensing fee of

s. and over, or (c) three or more dispens-

In a memorandum to contractors issued in December 30, 1950, the Pharmaceutical Standing Committee (Scotland) states that contractors who chose method I are not

required to undertake any pricing during 1951 but, by arrangement with the Department of Health for Scotland, they can price bundle A forms if they wish until all arrears are dealt with and they will receive one penny per form for the extra work. To assist chemists in pricing their prescriptions a new form of Drug Tariff is being produced, and the committee will issue a list of 600 proprietaries with prices. Both are expected to be distributed in mid-January. They will therefore not be ready in time for those pharmacists who chose method 2. The Committee again emphasises the necessity for clearly marking the size of the original pack from which a proprietary medicine was dispensed by the contractor.

Recruiting for Co-operative Pharmacy.—To encourage new entrants to retail pharmacy in co-operative shops, the Co-operative Union, Ltd., Holyoak House, Hanover Street, Manchester, 4, has produced an illustrated pamphlet entitled "A Career in Co-operative Pharmacy." The book deals with opportunities for qualified and unqualified persons in co-operative pharmacy and the position of the pharmaceutical profession in the co-operative movement. It includes a summary of the educational requirements for the Pharmaceutical Society's examinations.

NEW BOOKS

Biochemical Preparations, Volume I.—Herbert E. Carter (editor in chief) and an advisory board. 9 x 6 in. Pp. 76. 15s. Chapman & Hall Ltd., 37 Essex Street, London, W.C.2. In the first of a series of books intended to cover the preparation of compounds not available commercially and which can be prepared by synthesis or isolation from materials easily procurable, the compilers deal with sixteen products, amongst them adenosine di- and tri-phosphates, casein, l-glutamine and d-tyrosine. Further volumes are promised every twelve to sixteen months.

Industrial Chemistry of the Fats and Waxes.—T. B. Hilditch, D.Sc., F.R.I.C., F.R.S. 8½ x 5¼ in. Pp. 664. 27s. 6d. Baillière, Tyndall & Cox, 7 Henriettta Street, London, W.C.2. Advances during the past nine years in knowledge of the constitution of glycerides and acids in a number of fats; technical advances (as in the manufacture of synthetic detergents), and the application of solvent segregation and low-temperature crystallisation to the fractionation of fatty oils or acids, has necessitated publication of the third edition of this work by Professor Hilditch (Campbell Brown Professor of Industrial Chemistry, University of Liverpool). New material makes the edition some 20 per cent. larger than its predecessor. A full bibliography is given.

Biological Standardisation. — J. Burn, D. J. Finney and L. G. Goodwin. Second edition. $8\frac{1}{2} \times 5\frac{1}{4}$ in. Pp. 440. 35s. Oxford University Press, Amen House, Warwick Square, London, E.C.4. Written jointly by a pharmacologist, a statistician and a chemotherapeutic laboratory worker, the book deals capably with quantitative methods in pharmacology and chemotherapy. The various substances assayed biologically are grouped into chapters according to their pharmacological action. The book does not assume any previous knowledge of the subject on the part of the reader and would make a good introductory textbook. An exposition is given of statistical analysis as applied to biologi-Tables of international stancal assay. dards, probabilities and other statistical information are given in eight appendices.

Chemistry and Therapeutics of Synthetic Drugs.—J. W. Keyser, M.Sc., A.R.I.C. $8\frac{1}{2} \times 5\frac{1}{4}$ in. Pp. 458. 42s. George Newnes, Ltd., Tower House, Southampton Street, London, W.C.2. The author, a bio-

chemist in the department of patholog Welsh National School of Medicine, h compiled an exhaustive reference book f doctors, pharmacists, chemists, and st dents, covering the history, chemistry, pr paration and uses of synthetic drus Theoretical considerations such as the rel tion between the chemical structure of compound and its physiological actio chemical changes of drugs in the body ar possible methods of drug action are dea with, and drugs are classified mainly I their therapeutic application (as hypnotic antibacterials, etc.). Within the chapter the subdivisions are, so far as possible, on chemical basis. Synonyms are given, and is indicated whether a drug is the subje of a monograph in British or America books of standards. The constituents over 600 proprietary synthetic drugs (b not the maker's name) are given.

Isotopic Carbon: Techniques in i Measurement and Chemical Manipul tion.-M. Calvin, C. Heidelberger, J. (Reid, B. M. Tolbert and P. F. Yankwic 9 x 5³/₄ in. Pp. 376. 33s. John Wiley Sons, Inc., New York, U.S.A. Chapman Hall, Ltd., Essex Street, London, W.C. The authors of this first complete book of isotopic carbon were all members of th scientific staff of the Radiation Laborator University of California, a laborator which has maintained its pre-eminence i the field of radiochemistry since the de velopment there of the cyclotron by E. C Lawrence. The long-lived radioactiv carbon C14, the use of which should reve lutionise biochemistry, was first extensivel studied there. Much of the introductor chapters and the appendices is thus give over to techniques of measurement of ra dioactivity. A few pages without diagram are given to the techniques of measurement of the stable isotope C13, the use of which has largely been superseded by C1 but which nevertheless has produced muc information of fundamental importance The main body of the text is given ove to the techniques for the chemical synthesi of carbon compounds marked with isotopi carbon. It is claimed that the list is comprehensive up to April 1948, and it is fo this collection that the book will be mos used. The book ends with a bibliograph (also claimed as comprehensive to July 1948) for the published applications o isotopic carbon.

CORRESPONDENCE

A Benevolent Fund Effort

SIR,—Through the medium of your lumns may we express our thanks to all ose individuals and firms who so kindly in the second of the make a great success of the mual dance of the Manchester Pharmautical Association Junior branch, held November 14, 1950, in aid of the mevolent Fund of the Pharmaceutical ociety. Cheques totalling £39 15s. 11d. we been sent to the secretary of the points.

Yours faithfully G. F. Jones, Secretary.

Sale, Manchester.

Shortcomings of the Newly Qualified

SIR.—At a dinner of a branch of the harmaceutical Society reported in your plumns (C. & D., January 6, p. 4) a eaker made reference to a complaint by nployers that newly qualified pharmacists ere unfamiliar with retail practice, and at apprentices had been better trained the past. I do not think that the fault or this state of affairs, if it exists, lies with he Society, which has provided for proper ractical training by making apprenticeship n essential for qualification. If, as the beaker seems to have suggested, the lajority of newly qualified pharmacists re without knowledge of everyday routine a chemist's shop, the people chiefly to lame, it seems to me, are those directly sponsible for such training: the apprence masters. Most pharmacists who have ualified recently have served a three-year pprenticeship, and if employers are findng new entrants to the profession lacking experience they should consider whether hey themselves are not in part to blame or this state of affairs.

Tyro.

Appreciations

Congratulations on a very fine issue of he C. & D. this week (December 30, 950). It is by a knowledge of history that we are better prepared to meet the future.—H. C. S.

Congratulations on an excellent series of articles "1901-1950" (C. & D., Deember 30, 1950). "Give me history and hereby a better conception of current affairs."—E. C. M.

MISCELLANEOUS INQUIRIES

Antiseptic Soap Patent. — D. H. L.— The use of hexachlorophene and related dihydroxy halogenated diphenyl methanes in germicidal soaps is described in British Patent 545,648. [Corrected Note].

Fowl Pest.—G. M.—The Ministry of Agriculture states that the course and duration of outbreaks of fowl pest vary, and symptoms may present any one or more of the following features: The first symptoms may be dullness and ruffled Birds refuse food, and in feathers. "layers" there is usually a significant fall in egg production. Slight watery discharge from the eyes and nose with consequent sneezing and head-shaking is frequently seen. A fairly constant symptom is difficult respiration with accompanying throat "gurgle." Intestinal symptoms are often absent, but in some cases loose greenish coloured droppings are passed, while in others the only evidence is staining and "pasting" of vent feathers. The usual nervous symptoms are rarely noticeable. Mortality is slight in most cases though deaths of up to 15 per cent, may occur. Recovery generally commences in three or four days to a week, and birds may return to apparently normal health in three or four weeks though egg production may not be fully restored in that time. Recently a new and very infectious type of the disease has appeared. Birds that have recovered from it are dangerous because they can still cause outbreaks of disease by contact or by hatching eggs. Suspected cases are required by law to be reported to the police.

Fluorescent Inks. — W.A.D. — Fluorescent inks used in posters contain a pigment which fluoresces in the visible range of light (see "Nature," 1950, 166, 859). The fluorescent pigment is made by dissolving a small quantity of a fluorescent dyestuff in a transparent thermosetting resin (urea formaldehyde or phenol formaldehyde) and grinding the solid solution to a coarse powder. This pigment is then incorporated in a special printing ink containing coloured pigment and oil. Because fine grinding—the usual method of incorporating pigments in oil-destroys the fluorescent properties of the pigment, it is necessary that special inks should be used, suitable only for the printing process known as "silk screen" printing. The process allows a thick film of ink to be placed on the paper, thus giving the fluorescence a longer life.

HOLLAND AS A MARKET FOR MEDICINES

RIOR to the 1939-45 war the Netherlands had a pharmaceutical industry of some importance, capable of providing for a high proportion of the demands of both the domestic and colonial markets. The remainder was supplied by imported pharmaceutical products, of which the United Kingdom and Germany each supplied one-third of the volume. In value, however, the German share was much higher than the British, as the following figures show:—

Country	IMPORTS INTO	Holland, 1939
United Kingdom . Germany Other countries	Florins 920,000 2,638,000 1,985,000	Per cent. 16 61 23

Changes Wrought by the War

Corresponding Dutch exports valued at Florins 3,472,000 (excluding cocaine, opium, and codeine, and certain other alkaloids in which trade with the United Kingdom in 1939 was small). After the war, conditions changed considerably, owing partly to changes in international policy and economy and partly to transformation of the internal structure of the country. German-Dutch trade relations declined, and in 1949 imports from Germany were valued at only Fl. 325,000, representing 4 per cent. of total Dutch imports. It might have been expected, in the circumstances, that imports from the United Kingdom would increase. The British share of Dutch imports in the same year, however, was valued at only Fl. 917,000 (11 per cent.) showing a relative decrease of 5 per cent. in value on the 1939 figure. During the war the domestic pharmaceutical industry, not being able to export, and with the advantage of an almost complete absence of imported (even German) medicines, gained a mastery of the home market only limited by an extreme shortage of raw materials. During that time the Dutch wholesalers, controlling an important part of the pharmaceutical market, began to manufacture proprietary medicines. Those developments and the control of imports by the Government in the immediate post-war years, together with the loss of the Indonesian colonies, brought about drastic changes in the social and economic structure of the country. Another important factor in the situation was the economic fusion of the

Benelux countries (Belgium, the Neth lands and Luxemburg), and it is not s prising that imports from the two otl partners increased, as shown in the tab

Імров	RTS :	FROM	BELGIUM AN	D LUXEMBOURG
1939			Florins 157,000 1,664,000	Per cent.
Increase			1,004,000	20

Increases also took place in imports French pharmaceutical products (see tab an outcome partly perhaps to be

		Imports	FROM FRANCE	
			Florins	Per cent.
1939			405,000 1,844,000	7
1949	•••		1,844,000	22
Increase				15

plained by the cordial and traditional lations between that country and Belgiu In 1939, France, Belgium and Luxembu had together supplied 10 per cent. of total value of Dutch imports of ph. maceutical products. In 1949 the propertion increased to 32 per cent.

Some of the obstacles that may be i peding the importation of British pharm ceutical and medicinal preparations to t Netherlands are the following:—

- 1. The use of the apothecaries' rath than the metric system of weights a measures.
- 2. Divergent views of the therapeu uses of medicines caused by differences the British and Dutch systems of medic training.

3. Distrust of clinical results obtain by persons unknown in Holland.

4. More scanty information abo British products than is supplied by Co tinental producers with theirs.

5. Less attractive presentation than found in competitive items from oth countries.

Health Insurance Demands

Before introducing British compoun into the Netherlands under trade name it is important to realise that more the 75 per cent. of the population of the coutry is covered by a health-insuran scheme, including all workers whose earlings are less than Fl. 4,860 yearly. I general, prescribing of proprietary corpounds for which there are accepted alter

tives is not allowed. Dutch pharmacists paid a fixed fee per annum to dispense edicines for each person on their list. ey are accustomed to buy their chemis and drugs from wholesalers. By law pharmacist is responsible for the quay of the goods he sells to the public, d there is no provision for obtaining a tranty from the wholesaler or manuturer as to the quality of the goods pplied. For that reason few goods are d under a trade mark. Large-size packgs of expensive preparations are not pular at present because of the reduced

incomes that have resulted from heavy taxation. Hospital packs, of course, are as common in Holland as elsewhere.

British exporters have gained an advantage recently, however, since the Dutch guilder was devalued (in consonance with devaluation of the pound sterling), because devaluation caused a rise in the selling prices of goods from other continental countries. Provided they meet the continental competition in the ways specified above, they have now the opportunity of gaining a higher proportion of the Dutch market than they have had in the past.

WORLD TRADE

Swedish Antibiotics.—The production penicillin in Sweden is now large enough r supplies to be available for export, A antibior of streptomycin d other antibiotics is being planned. It ll'be set up near Stockholm.

Japan to Buy Chemicals. — A trade rangement between occupied Japan and rtain countries in the sterling area was med recently in Tokyo. Chemicals are nong the principal commodities which pan will buy in 1950-51 from the sterling ea.

Brazil's Eucalyptus Oil Output.—cording to official Brazilian statistics, tput of eucalyptus oil has grown conterably since 1947 when 510 kilos was oduced. The 1949 output amounted to er 16,000 kilos compared with 3,335 los in 1948.

Chinese Opium for Sale. — A letter om Great Britain's United Nations deletion to the U.N. Secretariat reveals that e Chinese Republican Government is ying to sell 500 tons of opium and has fered it to Imperial Chemical Industries Ihina), Ltd., Hong Kong, by whom the fer was refused. A further 200 tons is ported offered on the market.

Turkey's Foreign Trade.—Imports of harmaceutical products into Turkey from I sources in the half-year to June 1950 nounted to £T13.6 millions (or 3.8 per ent. of total exports). Main purchases y the United Kingdom from Turkey during the period included opium, valued at £T272,000, "medical oils and plants" alued at £T110,000.

West German Chemical Market. lthough West German chemical produc-

tion has continued to expand during recent months, it is scarcely sufficient to cover all domestic needs, and shortages have been reported in some fields-e.g., products based on aldehydes, in solvents, and in processed coal for chemical use. There is a fairly good demand for certain imported pharmaceutical products, particularly antibiotics, although overall domestic production is regarded as sufficient, Since imports of pharmaceuticals from other O.E.E.C. countries have been "liberalised" to a large extent, German industry expects keen competition from foreign, especially British and Swiss, products. On the other hand, German manufacturers hope to be able to capture a larger share of the British market as a result of the recent coming into force of the Anglo-German trade agreement.

Higher U.S. Cosmetic Prices.—The entire range of American "toiletries," cosmetics, dentifrices and many packaged drug-store items will show fairly sharp near price increases the future in to compensate manufacturers for steep increases in costs of materials, labour and packaging, according to Mr. S. L. Mayham (executive vice-president, U.S. Toilet Goods Association). Mr. Mayham said that prices of these items had shown "no real rise" since the 1920's-" a \$1 box of face powder has sold at that price as long as I can remember, but now women must expect to pay \$1.25 for the same box, and \$1.75 to possibly \$2 for the traditional \$1.50 seller." He said that an aluminium control order may cut the use of aluminium tube packaging for dentifrices by some 20 per cent, and that the expected tin order would curtail the use of that metal in dentifrice and medication tubes by the same amount,

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quanties of standard quality. Prices of crude drugs and essential oils vary as to brand or grad

28 Essex Street, W.C.2, Jan. 10

The chemical industry is showing concern at the shortage of sulphuric acid, though its full impact on production of Pharmaceutical and Fine Chemicals has yet to be felt. The situation is grave, and it is thought that output of certain products may be more than halved. Meanwhile prices of raw materials continue to rise with monotonous regularity. A substantial increase from the beginning of the year in the cost of imported potash has caused makers to advance Potassium Carbonate and Potassium cetate by 1½d, per lb., and Sulphurated Potash by 2½d, per lb. and Sulphurated Potash by 2½d, per lb. Mercurials are reacting to a further sharp rise in the price of spot Mercury. Silver salts are dearer reflecting a rise in metal prices: Silver nitrate is now 4s. 2½d, per oz., in 1,000-oz. lots. Other products for which higer prices have been announced include Methyl salicylate, Sulphaguanadding and Carbromal.

Though there has not been much activity in CRUDE DRUGS, the undertone of the market has remained firm. Higher prices are reported for Cape Aloes. Portuguese Ergot and Sumatra Benzoin. There are practically no supplies of IPECACUANHA on the spot, while offers from Central and South American sources are difficult to obtain. Prices as high as 43s., c.i.f., are indicated by shippers for Colombian root for March-April shipment. French Gentian is substantially higher in price. As reported earlier, the quality of Tinnevelly Senna Leaves now available is very low, with shippers tendering ungraded No. 4 in place of prime No. 3 leaves. In the Spices market interest has been centred in Zanzibar Cloves, spot quotations for which are now as high as 3s. 3d. per lb. In the gum trade, Tragacanth has been in good demand and the market is firm. More interest is being shown in Gum Acacia. Waxes generally are firm; Beeswax and Carnauba remain in short supply. Reflecting a sharp decline in the Calcutta Shellac market, spot quotations for F.O.T.N. and F.O. Standard 1 grades are lower on the week. Prices of Menthola are booked for forward orders.

In the ESSENTIAL OILS markets, Chinese Star Anise is in good demand at higher prices. A further advance, this time of 5s, per lb., has occurred in prices of English-distilled Clove Bud oil.

Castor oil on the spot is scarce. Crops of castor seed were only fair last season, and Brazil sold the bulk of its supplies to the United States for stockpiling, while India (the only other major supplier) sub-

stantially advanced prices following heavy demand for oil. On a c.i.f. bas new-crop first-press Indian oil, for Marc May shipment, is indicated at from £2 to £225 per ton, against less than £1 per ton a year ago.

Exchange Rates on London

Rates at the opening on Wednesd morning were:—

Centre	- -	Quoted		Rate
	··· Pias		£	971-971
v /	··· Flo		£	10.63—10.65 125—125½
#T) 1	··· £A			125-1252
Dombay		llings to rup		1/515-1/616
Brussels	Fran		£	139.90-140.1
Copenhagen		ner to	£	19.32—19.36
Dutch West Ind	es Flor	rine to	£	5.272-5.29
*Hong Kong		lings to		1/215-1/35
	£I	to £	*	994-1004
*Karachi		lings to		
		rup		2/137-2/11
Lisbon	Escu	idos to	£	80.35-80.65
Manila		o to £		5.60-5.65
*Montreal T.T.	Dol	lars to	£	$2.93\frac{1}{2}$ $2.9\frac{3}{4}$
	Dol	lars to	£	$2.79\frac{7}{8}$ $-2.80\frac{1}{8}$
*New Zealand	£N	Z to £	5	1003-101
Oslo		nor to	£	19.98-20.02
Paris		ncs to	£	979-981
Rio de Janeiro		zeiros to		Braz a/c
*Singapore		lings to		$2/4\frac{3}{32}-2/4\frac{7}{32}$
Stockholm		nor to		14.47-14.50
*Teheran		ls to a		89.40-91.00
Zurich	Fra:	ncs to	£	12.23—12.26

*Free market rates; remainder Bank of Englar

U.S. Drug and Chemical Repo

The upward trend in chemical prices co tinues, reflecting increasing productic costs that have become general througho the industry. In Pharmaceutical at Fine Chemicals markets consideratifemness is displayed. Higher prices habeen announced for Chlorates, and S displayed. Higher prices habeen announced for Chlorates, and S displayed. Higher prices habeen announced for Chlorates, and S displayed with the creating and Stillcates. Method prices are moving upwards; the curent spot value is \$14 per lb. Mercul has advanced further. The Crude Drumarket is firm and further increases prices are expected. Zanzibar and Mad gascar Cloves are advancing and gair are recorded in both African and Jame can Ginger. Owing to scarcity of Canaura Ginger. Owing to scarcity of Canaura wax, on the spot and affoat, prichave been raised by 2 to 5 cents per lees wax also is dearer. Sumatra Be zoin has risen by a further 25 cents plb. The Essential Oils market has bequiet, though higher prices have been corded during the week. Domestic Peppe Mint is now from \$6.90 to \$7.80 per lb Bourbon Vetivert is \$28; Eucalyptu \$1; Mace, \$4; and Ginger, \$22,50 per l

Pharmaceutical Chemicals

ENZENE,-B.P.C. grade is quoted at 7s. gall.; thiophene-free, 9s. 6d. per gall. AFFEINE.—Steady. Makers' home-trade es for 1-cwt. lots are (per lb.) as fols:—Alkaloid, B.P., 37s. 6d. and anrous, 39s.; Citrate, B.P.C., 21s. 6d.; IUM BENZOATE, B.P., 23s. 6d.; SODIUM ICXLATE, B.P.C., 24s. 6d. CAFFEINE and TUM LOUDINE is 30s. por lb. TUM IODIDE is 30s. per lb.

ALCIFEROL.—1-kilo lots (in 25-gm. amles) are quoted at 5s. per gm.; 500, 6d. per gm.; 100 kilo, 6s. 3d. per gm.

ARBROMAL. — Dearer, 5- cwt. lots are 23s. per lb.; 1-cwt., 23s. 6d.; 56-lb., 28-lb., 24s. 6d. per lb.

HLORAL HYDRATE. — Current rates per for the home trade are: 1-cwt. lots, 56-lb., 4s. 2d.; 28-lb., 4s. 4d.

HLORAMINE.—B.P. grade is from 2s. 5d. s. 9d. per lb. and 98 per cent. technical 2½d, to 2s. 5d, per lb., according to ntity.

HLOROCRESOL.—Pharmaceutical quality uoted at 5s. per lb. in 1-cwt, drums. HOLESTEROL. — In 1-kilo lots, pure about 126s. per kilo: 75 per cent. is

and 50 per cent., 80s, 3d. per kilo. CHLOROXYLENOL.—B.P. quality is quoted 6s. 9d. per lb. for 1-cwt. lots.

Chrysarobin. — Quotations are from

. to 35s, 9d. per lb.

INCHOPHEN.—1-cwt. lots are quoted at per lb., with smaller quantities up 26s. per lb. In good export demand. RESOL.—Price of B.P. quality from disers is 4s. 6d. per gall., delivered.

EXTROSE. - Steady. MONOHYDRATE. . (in less than 5-cwt, lots), 28-lb, tins quoted at 40s, per tin; 14-lb, tins, 6d.; 7-lb, tins, 11s, 6d.; less 12½ per 1. 60.; (-1b. tins, 11s, 60.; 1888 12g per t. to wholesalers, delivered. In quantit of 5 cwt. and over, 28-lb. tins are 2s., lb. tins, 1s. 6d., and 7-lb. tins, 1s., less n above prices. ANHYDROUS, B.P. (in s than 5-cwt, lots), 28-lb. tins, 42s. per ; 14-lb. tins, 22s. 6d.; 7-lb. tins, 12s.; s 12½ per cent. to wholesalers, delivered. Institute for quantities of 5-cwt, and over ductions for quantities of 5-cwt. and over the same as for the monohydrate.

HYDROCHLORIC ACID. — In winchesters, P. 1932 quality is 5d. to $6\frac{1}{2}$ d. per lb.

ISOPROPYL ALCOHOL.—Prices range from s. to 15s. 3d. per gall., as to quantity. Magnesium Carbonate. — Heavy, B.P., risen by 12s. per cwt. 1-cwt. lots in lb. packages are now 143s. per cwt.; wt. lots, 134s.; 10-cwt. lots, 133s. per

MAGNESIUM TRISILICATE (B.P.).—Prices er lb.); in the home market are uninged. Not less than 1-cwt., 3s. 7d.; wt., 3s. 5d., in 28-lb. containers.

METHYL SALICYLATE.—Prices have adnced by 2½d, per lb. Increased rates are as follows:—Winchesters, 2s. 11d. per lb.; 56-lb. lots in demijohns, 2s. 9½d.; 1-cwt., in demijohns or carboys, 2s. 9d.: 5-cwt., 2s. 8½d., net.

Oxalic acid. — 1-ton lots in casks are quoted at £134 10s. per ton; 10-cwt., £141 10s. per ton; 5-cwt. and less, £153 10s. In kegs prices are 20s. per ton

Pepsin.—In 28-lb, lots, B.P. is 20s. per lb. and U.S.P. is 22s. per lb.

Phenazone.—Prices quoted for Britishmade and imported material range from 18s. to 20s. per lb.

Potassium bromate.—Prices range from 4s. 6d. to 5s. 6d. per lb.

ROCHELLE SALT .- Prices are unchanged; in good demand. Rates per cwt. for pow-dered or granular material are: 5-cwt., 155s.; 1-cwt., 157s. 6d. Crystal is 2s. 6d. per cwt. more. SEIDLITZ POWDER.-Ordinary grade is now 120s. 6d. per cwt. in 5-cwt. lots; 1-cwt., 122s. 6d. Extra strong is 130s. (5-cwt.) and 132s. (1-cwt.); double strength, 137s. 9d. (5-cwt.) and 140s. (1-cwt.). Packed in 1-cwt. free casks and cases.

Sodium sulphite. — New rates are as follows:—ANHYDROUS powder, in 4-ton lots, £48 per ton, packed in 1-cwt. free drums. Pea CRYSTALS (photographic), in 4-ton lots, £31 per ton in free kegs or £23 per ton in 1-cwt. bags. Surcharges. 2 tons, 10s.; 1 ton, £1; 10 cwt., £2.: 5 cwt., £3; 1 cwt., £6 more than above rates.

STRYCHNINE. - Prices are unchanged. Makers' rates per oz. are as follows:-

Compound Alkaloid Bisulphate	Under 25 oz. s. d. 6 2	25 oz. and under 100 oz. s. d. 6 o	100 oz. and under 500 oz. s. d. 5 10½
Hydrochloride Hypophosphite Nitrate Sulphate (neutral pow-	5 4 5 11 9 8 5 11	5 2 5 9 9 6 5 9	5 0½ 5 7½ 9 4½ 5 7½
der No. 2) Sulphate (neutral crys- tal and pow-	4 11	4 9	4 71/2
der)	5 6	5 4	5 21/2

SULPHAGUANIDINE.—Prices have risen by 1s. per lb. New rates are as follows:—5-cwt. lots, 20s.; 1-cwt., 20s. 3d.; 56-lb., 20s. 6d.; 28-lb., 21s. 6d. per lb.

TEREBENE.—For 1-carboy lots, 45s. 2d. per lb. is asked. In winchesters, prices are from 4s, $3\frac{1}{2}$ d. to 5s. 2d. per lb.

Vanillin.—Current rates per lb. 5 cwt., 30s.; 1 cwt., 30s. 3d.; 50 30s. 6d.; smaller quantities, 30s. 9d. are:

ZINC CHLORIDE.—B.P.C., cake, is from 4s. 6d. to 4s. 10d. per lb.; sticks, from 5s, 10d, to 6s. 2d. per lb,

Crude Drugs

Aconite.—Spanish napellus is steady at 3s. per lb., spot, duty paid.

Agar.—Kobé No. 1 on the spot is steady at 9s. to 9s. 6d. per lb., duty paid; for January-February shipment, 6s. per cwt., quoted.

Aloes. — For spot Cape prices up to 247s. 6d. per cwt. are reported as being paid; for shipment, 215s., c.i.f., nominal. Curação is firmly held at from 235s. to 240s. per cwt., spot.

Antimony. — English, 99.6 per cent.,

£260; 99 per cent., £250 per ton.

ARECA NUTS .- Ceylon, f.a.q., on the spot from 37s. 6d. per lb.

ARNICA FLOWERS .- Spot quotations are from 1s. 3d. to 1s. 4d. per lb., duty paid.

Belladonna.—Steady. Irish herb is offered at from 4s. 6d. to 5s. per lb. on the spot. Low-testing root is available at 4s. 6d. English leaf is 3s. 9d. per lb.

Benzoin.—Sumatra block on the spot is firm at £30 per cwt.; for February-March shipment, £26, c.i.f. Siam almonds on the spot, from 32s. 6d. to 35s. per lb.

BISMUTH.—Metal is 17s. per lb. in mini-

mum 5-cwt. lots.

Black haw. — Tree bark is offered at 3s. 3d. per lb., ex store.

Buchu.-Quiet. Short round leaves on the spot are 2s. 2d. per lb.

CALUMBA.—Natural sorts are quoted at from 75s. to 80s. per cwt., spot.

refined Camphor. — Chinese (B.P.) is from 4s. 4d. to 4s. 6d. per lb., duty paid; for January-February shipment from Hong Kong, 4s., c.i.f., nominal. B.B. grade is 3s. 10d. to 4s. per lb., in bond; for shipment, 3s. $10\frac{1}{2}$ d., c.i.f., nominal. $\frac{1}{4}$ -oz. tablets, quoted at 5s. 6d., duty paid; for shipment, 5s., c.i.f.

CANADA BALSAM.—Steady. Spot quota-

tions are at 22s, per lb.

Cantharides.—Chinese, spot in bond, is 5s. per lb.; for January-February shipment from Hong Kong, 4s. 11d., c.i.f.

CASCARILLA. — Quills on the spot are quoted at 1s. 3d. to 1s. 4d. per lb.; siftings, 1s. to 1s. 2d.

Cascara sagrada. — Spot supplies of 1950 bark are offered at 350s, per cwt., duty paid; for shipment, 320s., c.i.f.

Chamomile flowers. — Belgian Roman, 4s. 6d. per lb., duty paid, nominal.

Chillies. — Mombasa, spot, quoted at CHILLIES. — Mombasa, spot, quoted at 345s. per cwt.; for shipment, 315s. to 320s. per cwt. Sierra Leone, spot, 285s. per cwt.; for shipment, 265s., c.i.f.
CLOVES.—Firm. Zanzibar on the spot, 3s. 3d. per lb.; for shipment, 3s. 24d., c.i.f.

COLCHICUM. — Corms on spot are quoted at from 2s. 3d. per lb., as to test; seeds, from 7s. 6d. to 9s. per lb., spot, duty paid.

Cochineal.—Black is offered at 5s. and silver grain at 5s, per lb., spot Lond

Colocynth.—Fair-quality white pulp from 1s. 6d. to 1s. 9d. per lb., ex store

Dragons blood.—Singapore reboiled 1, £58 to £60 per cwt., spot; No. £37 10s.

ELEMI.—Quiet. Manila No. 1 on spot is from 2s. 3d. to 2s. 6d. per lb.

ERGOT.—Firm. Portuguese on the sp 70s. per lb., nominal; for shipment, c.i.f.

Frangula Bark. — Sellers are quot 85s. per cwt., duty paid, spot.

Galls. — Chinese, for shipment fr Hong Kong, are quoted at about 158s. cwt., c.i.f.

Gentian.—Up to 110s, per cwt. been paid for spot and resellers are quing from 115s. to 120s. per cwt.; for stment, 135s., c.i.f., indicated.

GINGER.—African is steady at 320s. cwt.; new-crop for February-April sh ment, 270s., nominal.

Gum acacia.—Kordofan cleaned sorts the spot are quoted at 115s. per cwt.; January-February shipment, 98s. 6d., c.i. February-March, 98s., c.i.f.

HENBANE.—Egyptian (H. muticus), f. is quoted from origin at from 85s. to 8 per cwt., c.i.f. Niger (0.4 per cent. all loids). 4s. 3d. per lb., spot.

Hydrastis.—Supplies on the spot : offered at 40s. per lb.

IPECACUANHA. — Firm and scarce. C ombian, for March-April shipment, 43s. lb., c.i.f., indicated. Minas on the sp 45s. per lb., nominal.

Irish moss.—No. 1 carragheen on t spot is quoted at 100s. per cwt.

KARAYA.—No. 1 on the spot is quot at 400s., and No. 2, 325s. per cwt.

Kino.—Indian on spot is 6s. 9d. per

Lanolin.—B.P. anhydrous is £120 p ton; hydrous, £90. Superfine anhydro is quoted at £126 per ton. Continues sho

Lycopodium.—Triple-sifted material. the spot, is quoted at from 11s. per 1 duty paid.

Mace.—West Indian pale blade is minal at 9s. per lb.; for shipment, c.i.f.; second-hands, 8s. 6d., c.i.f.

MASTIC.—No. 1 tears are quoted at from 12s. 6d. per lb., spot.

Menthol.—Chinese on the spot is quated at from 102s, 6d. per lb., duty pa (in bond, 96s.). Afloat, 90s. to 94s., c.i

MERCURY.—Prices continue to advange Spot quotations are from £58 to £59 r flask, ex warehouse.

Myrrh.—Steady. Aden sorts, quoted from £10 10s. to £12 per cwt.; sifting £6 10s. to £7; both spot London.

IMENTO.—Firm. Spot quotations are m 1s. 9d. per lb.; for shipment, 195s. cwt., c.i.f.

MASSIA. — Steady, Chips on spot are . per cwt.; for shipment, 29s. 6d., c.i.f. RHUBARB.-Chinese rough round on the t is offering at from 5s. 9d. to 7s. 6d., y paid, as to quality.

ARSAPARILLA.—Jamaican native red on t is from 2s. 6d. to 2s. 7d. per lb.; for pment, 2s. 5½d., c.i.f.

SEEDS.—Turkish ANISE on the spot is SEEDS.—Turkish ANISE on the spot is Se. per cwt., duty paid, and 150s, per t., in bond. Cyprus is nominal at 175s. cwt., duty free. CARAWAY.—Dutch is and unchanged at 195s, per cwt., duty n and unchanged at 195s. per cwt., duty d, spot London. CELERY.—Indian is ofing at 1s. 10½d. per lb., spot London. NANDER. — Morocco continues firm on spot, 175s. per cwt. is quoted for duty d, and 160s. per cwt. in bond. CUMIN.—rket unchanged. Spot, Cyprus, nominal 205s. per cwt.; Indian is sold at 195s. cwt. For shipment, Cyprus is quoted 195s. per cwt. c.i.f.; Indian, 180s., c.i.f. I Morocco at 240s. per cwt. c.i.f. Morocco at 240s. per cwt., L.—Indian remains quiet at 80s, per t., spot London. FENNEL.—Indian is v quoted at 120s. per cwt., spot, while pment business is reported at 110s, per

t., c.i.f. London, FENUGREEK.—Market n. Spot is 50s. to 51s. per cwt., duty id in London, and 49s. 6d. per cwt., duty id in Liverpool. For shipment, 43s. 6d. cwt., c.i.f. London, business reported ne at this figure

SENEGA.—Spot is offered at 18s. per lb.;

arrive, 17s. 9d., c.i.f.

SENNA.—Firm. Tinnevelly leaves, f.a.q., 1, 1s. 5d.; No. 2, 1s. 4d.: No. 3, 1d., spot, nominal. Tinnevelly handked pods are from 2s. to 2s. 3d., spot-xandrian pods, 1s. 6d. per lb., nominal, t; Alexandrian broken leaves are nominv at from $9\frac{1}{2}$ d. to $10\frac{1}{2}$ d. per lb. and sifts at from $8\frac{1}{2}$ d. to $9\frac{1}{2}$ d.

SHELLAC.—Spot F.O.T.N. pure is now s.; F.O. Standard 1, 420s.; and fine nge, 450s, to 500s. per cwt.

STYRAX.—Spot is quoted at 7s. per lb., y paid; for shipment, 6s. 6d., c.i.f. Pragacanth.—Very firm. No offers of ected gum. No. 1 ribbon on the spot is 00 per cwt.; No. 2, £175; No. 3, £155;

. 4, £85. VALERIAN.—Belgian on the spot is quoat 185s. per cwt., spot. Indian is availe at 150s. per cwt., spot; for shipment,

s., c.i.f., indicated.

Waxes.—Dar-es-Salaam Bees' is 600s. ewt., spot; for shipment, 590s., no-pal, c.i.f. Benguela, spot, nominal. NDELILLA.—Spot is quoted at 535s. per CARNAUBA.—Prime yellow on spot is 70s. per cwt.; for shipment, nominal. tty grey is nominally 1,000s. per cwt. the spot; affoat, 1,000s., c.i.f.

Essential and Expressed Oils

Almond.—Expressed sweet oil (B.P.) on the spot is from 5s. 3d. to 6s. per lb.; Bitter essential oil, s.a.p., on the spot, is from 24s. to 55s. per lb., as to grade.

ANISE.—Firmer. Chinese star is now quoted at from 14s. 3d. to 14s. 6d. per lb. on the spot; for shipment, 15s, c.i.f.. nominal

Bergamot. -- Small supplies on the spot are offered at from 52s, 6d, to 54s, per lb.

Bois de Rose.—Steady. Brazilian on the spot is from 38s. 6d. per lb.; to arrive, 37s. 6d., duty paid.

Caraway.—English-distilled is quoted at from 36s.; imported oils are offered at from 32s. 6d. to 35s. per lb., spot.

CASTOR OIL.—In very short supply, B.P. oil on the spot is nominally £226 per ton; Firsts, £220 per ton, naked, ex mill.

CITRONELLA.—Firm. Cevlon on the spot is quoted at 13s. 3d. per lb.; for shipment, January-February, 13s., c.i.f., nominal.

Clove.—English-distilled bud oil has advanced by 5s. per lb. 1-cwt. lots are 25s. 3d. per lb., with smaller quantities up to 26s. per lb.

Lemon.—New-crop Sicilian hand-pressed (4 per cent. citral) is in the region of 34s. to 37s. per lb., c.i.f.

LEMONGRASS.—Firm. Spot is quoted at about 28s. per lb.: January-February shipment, 27s. 3d., c.i.f.

Linseed.—Ministry of Food controlled price is £136 per ton, naked, ex wharf,

Nutmeg.—Prices of English-distilled oil are at 45s. per lb.; second-grade, 25s. per Ib. Imported oil is about 36s, to 40s, per lb., duty paid.

Origanum. — Palestinian is offered at from 16s. 6d. to 17s. 6d. per lb., spot.

Petitgrain.—Paraguay to come forward is quoted at 32s. 6d. per lb., duty paid.

PIMENTO BERRY. — English-distilled oil, from 80s. per lb.; No. 2, 27s. per lb., spot. Foreign, 40s. to 42s. per lb., spot.

PINE. — Pumilionis, about 19s. per lb., spot; sylvestris, from 12s. per lb.

Rose.—Anatolian otto is quoted at 230s. per oz., spot.

Rosemary.—Steady. Spanish is offering at from 7s. 3d. to 8s. per lb., spot.

SANDALWOOD. - Mysore oil on spot is SANDALWOOD. — MAYSOFE ON ON SPOT IS from 75s. to 80s. per lb. East Indian, Dutch-distilled (95 per cent. santalol), 102s. 6d. per lb., duty paid. West Indian is available at 19s. 6d. per lb., spot. English-distilled, 80s. to 85s. per lb.

SASSAFRAS.—Brazilian natural is quoted at from 6s. 9d. to 7s. 6d. per lb., duty paid, spot London.

Spearmint.—Spot supplies are offered at 48s. to 50s. per lb., duty paid

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, January 15

FINCHLEY DIVISION, NORTH LONDON PHARMACEUTICAL ASSOCIATION, Bull and Butcher, High Road, Whetstone, London, N.20, at 7.45 p.m. Film, "The Birth of a Drug."

HENDON AND EDGWARE BRANCH, PHARMACEUTICAL SOCIETY, Brill's restaurant, 206 Station Road, Edgware, Middlesex, at 8 p.m. Mr. G. E. Turfitt, D.Sc., Ph.D., F.R.I.C. (deputy director and toxicologist, Metropolitan police laboratory), on "Science and the Detection of Crime" (illustrated).

ISLE OF THANET BRANCH, PHARMACEUTICAL SOCIETY, Saracen's Head hotel, High Street, Margate, at 8 p.m. Dr. G. R. Boyes (Allen & Hanburys, Ltd.), on "Drugs and the Nervous System" (illustrated).

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Polygon Hotel, Southampton, at 7.30 p.m. Address by a representative of Milton Antiseptic, Ltd., on "Cross Infection."

Tuesday, January 16
MANCHESTER AND SALFORD BRANCH, NATIONAL PHAR-MACEUTICAL UNION, Midland Hotel, Manchester, at 7.45 p.m. Mr. H. Noble (secretary, N.P.U.), on "The Pharmacists' Agenda for 1951."

SLOUGH BRANCH, PHARMAGEUTICAL SOCIETY, Community Centre, Slough, Bucks, at 8 p.m. Mr. G. E. Turfitt, D.Sc. Ph.D., F.R.I.C. (deput) director and toxicologist, Metropolitan Police laboratories) on "Science in Criminal Investigation.

Wednesday, January 17

BIRMINGHAM PHARMACEUTICAL ASSOCIATION and BRANCH, Botanical Gardens, Edgbaston, Birmingham, at 8 p.m. Dance.

CHESTERFIELD BRANCH, PHARMACEUTICAL SOCIETY. Visit to Sheffield Lyceum pantomime. Meet at Market Place to leave at 6.15 p.m.

DINBURGH CHEMISTS' GOLF CLUB.
Rooms, George Street, Edinburgh, 2.
whist drive and dance. EDINBURGH Assembly Annual

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Hall of the Institute of Accountants, 220 St. Vincent Street, Glasgow, at 7.30 p.m. Mr. A. T. Dalziel, B.Sc., on "New Views of the Atom and Chemical Standards."

MANCHESTER PHARMACEUTICAL ASSOCIATION and Branch, Grand Hotel, Ayton Street, Manchester, at 6.30 p.m. Dinner, dance and whist drive.

ORWICH BRANCH, PHARMACEUTICAL SOCIETY, Y.M.C.A., St. Giles Street, Norwich, at 7.45 p.m. Address by Mr. F. W. Adams (registrar Norwich of the Society).

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Unicorn, Gidea Park, Romford, Essex, at 7.30 p.m. Mr. C. W. Maplethorpe, Ph.C., F.R.I.C., on "Education of a Pharmacist."

Thursday, January 18

ABERDEEN BRANCHES, CHEMICAL SOCIETY and So-CIETY OF CHEMICAL INDUSTRY, Chemistry de-partment, Marischal College, Aberdeen, at 7.30 p.m. Dr. H. Baines, F.R.I.C., on "Photography as a Scientific Implement."

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 7.30 p.m. Professor K. Linderstrom-Lang on "Structure and Enzymatic Breakdown of Proteins."

HULL CHEMISTS' ASSOCIATION and BRANCH. York Hotel, Hull, at 8 p.m. Dinner danc aid of the Pharmaceutical Society's Beneve Fund.

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY. lers' Hall, Sheffield, at 7.30 p.m. Annual nival dance.

SOUTH-EASTERN DETH-EASTERN [LONDON] ASSOCIATION BRANCH. Pynes Restaurant, 153 Lewisham I London, S.E. 14. Annual dinner and da Guest: Mr. A. A. Meldrum (president of Pharmaceutical Society). [LONDON] ASSOCIATION

Friday, January 19

EAST METROPOLITAN BRANCH, PHARMACEUT SOCIETY, and WEST HAM ASSOCIATION OF P. MACISTS, Stratford Church Institute, 27 R ford Road, London, E.15, at 8 p.m. Mr. R McBride, M.A. (H.M. Dangerous Drugs Inspector, Home Office), on "The Contro Dangerous Drugs."

FINE CHEMICALS GROUP, SOCIETY OF CHEM INDUSTRY, Chemistry Lecture Theatre, Ki College, Strand, London, W.C.2, at 7 1 Discussion on "Methods of Reduction."

THE UNIVERSITY OF LONDON has arranged lectures by Dr. F. Bergel on "Physico-chen Properties and Pharmacological Activity of Dru to be given in the physiology theatre, Unive College, Gower Street, London, W.C.I, at p.m. on January 18 and 25.

NORTH-WESTERN POLYTECHNIC, Prince of W. Road, Kentish Town, London, N.W.5, has ranged a series of five lectures on "Income and the Private Trader," to be given by Sidney I. Simon, barrister-at-law (a former spector of taxes). consecutive Thursdays at 7 p.m., commen January 25, and the fee for the course is 6s,

TRADE MARKS

From the "Trade Marks Journal," December 6, 1950.

For all goods (3).

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NUTRILAX, 687,755, by Ablin, Ltd., Lone, W.1.

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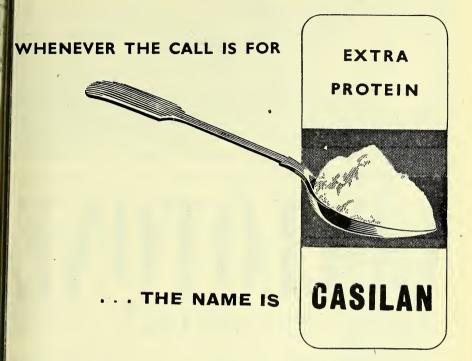
For substances for sterilising infants' napkins DIAPARENE, B688,738, by Homemakers' ducts (Canada), Ltd., Toronto.

For veterinary preparations (5).

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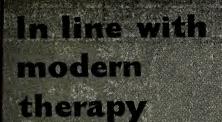
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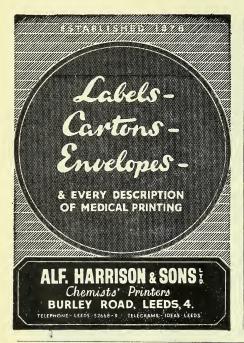


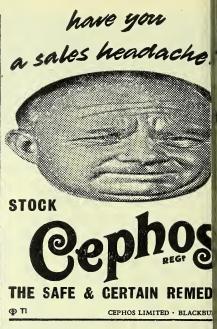






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INDEX 10 7	ADVENTIBENS
bott Druggists, Ltd, xxvi	Cuticura Preparations xvi
bott Laboratories, Ltd xii	Cuxson, Gerrard & Co., Ltd
me Vacuum Flask Co. ix	Dales Tablet Makers, Ltd v
en & Hanburys, Ltd	Daniel, Richard, & Son, Ltd
ied Drug and Chemical Co	Don S. Momand, Ltd xxix
mstrong Cork Co., Ltdxxxii	Dunn Brothers Succrs., Ltd vi
thol Manufacturing Co., Ltd., The ix	Edme, Ltd viii
kit, Ltd iv	Evan Williams Co., Ltd
pro, Ltd x	Fennings, A
iley, Robert & Son, Ltd iv	Ferris & Co., Ltd.
asley's, Ltd	Fluid Equipment Co., Ltdxxxvi
yton, Astley & Co., LtdLeader Page	Franks, A., & Bartlett Co., Ltd xxii
yd-Norman Manufacturing Corporationxxxvi	Freeman, William & Co., Ltd 10
istow, T. F., & Co., Ltd	Freudentheil, Smith & CoLeader Page
itish Dyewood Co., Ltd., Thev	Fryer & Co. (Nelson), LtdLeader Page
itish Rodent Exterminator Co., Ltd IV	Gale, Baiss & Co., Ltd vi
itton, Malcolm & Co., Ltd vi	Glaxo Laboratories, Ltd 1
rrough, James, LtdLeader Page rroughs Wellcome Co	Goodall, Backhouse & Co., Ltd xi
prroughs wellcome Co	Goya 12 Graylands & Co. ii
almic, Ltd 3	Greeff R. W. & Co. Ltd
arnegie Chemicals (Welwyn), LtdCover iv	Greeff, R. W., & Co., Ltd
arr's Flour Mills, Ltd	Greyer, Brecheisen & Co., Ltd iii
arter, H. W., & Co., Ltdxxxvii arton Box & Printing Co., Ltdviii	Haetam, LtdLeader Page
ephos, Ltd	Hamburger, M., & Sons viii
hristy, Thomas, & Co., Ltd xxvi	Hardy, M. W., & Co., Ltdxviii
iba Laboratories, LtdCover III	Harris, Hart & Co., Ltd viii
lucas, J. L., Ltd	Harrison, A., & Co., Ltd 4
orn Products Co., Ltd	Hathway, J., & Sons (Bermondsey), Ltd. Leader Page
ox, Arthur H., & Co., Ltd	Henderson Bros. & Co., Ltd xx
ritchley Bros., Ltd vii	Herts Pharmaceuticals, Ltd XIX
rookes Laboratories, Ltd 2	Hewlett, C. J., & Son, Ltd
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INDEX (Contd.)

Hough, Hoseason & Co., Ltd xxv Hovenden, R., & Sons, Ltdxxxiii
Imperial Chemical (Pharmaceuticals), Ltd 26 Inverni & Della Beffa
Jeffreys, Miller & Co., Ltdv, 18
Keldon, Ltd. xiv Kellys, John (London), Ltd. iv Kemball, Bishop & Co., Ltd. 25 Kent, G. B., & Sons, Ltd. 34 Kerfoot, Thomas & Co., Ltd. 38
Laporte Chemicals, Ltd ii Lloyd, Howard & Co., Ltd30, 31
Macdonald & Son, Ltd. 17 Manser, Henry, Ltd. Leader Page Marchon Products, Ltd. xxiv Markwell Edwards Co. viii Matthews Wilson, Ltd. 6 Menley & James, Ltd. 15 xxx Morison Chemicals, Limited Cover ii Morrison & Ralph, Ltd. xxv Musterole Fine Products, Ltd. xxxx
National Glass Works (York), Ltd xv
Oatine Co. xxxii Optical Products, Ltd, xxiii Orridge & Co
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Pharmax, Ltd. Phillips, Chas., Chemical Co., Ltd., The Pierson, Morrell & Co., Ltd. Pitman, Sir Isaac, & Sons, Ltd. Pliofilm Goodyear Tyre & Rubber Co. Potter & Clarke, Ltd.
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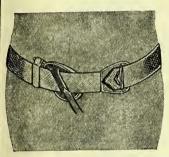
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The Beasley replaces the old-fashioned Truss. Here is a washable appliance with an inflated air-cushion which holds the Hernia firmly and with such gently upward pressure that in many cases tissues reunite.

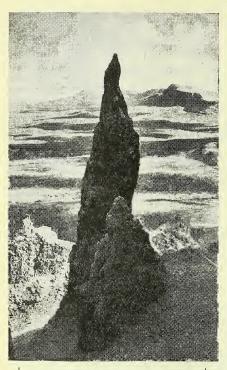
An Agency can be arranged to suit your convenience

(a) If you have the facilities to provide a complete fitting service, a modest stock will be supplied at an attractive discount. You fit on the spot.

(b) If you wish to, or can, act only as an intermediary between your customers and Beasley's, a worthwhile commission will be allowed. We make and supply in 24 hours.

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for preventing chapping, cracking, roughness of the skin

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WILLIAM FREEMAN & COMPANY ANNOUNCE - certain price alteration in the Suba-Seal range of Safety Hot Water Bottles. Trade and Reta prices to the public come into operation as and from January 1st 195

SUBA-SEAL PRODUCT	LIST PRICE	PRICE TO RETAILER	PURCHASE TAX	PRICE TO
STANDARD HOT WATER BOTTLES with or without Handle	8/-	5/4	1/9	9/9
GIANT HOT WATER BOTTLES	11/6	7/-	2/4	13/10
COT HOT WATER BOTTLES	4/6	3/-	1/-	5/6

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Contains odourless valerian, phenobarbitone and stilbæstrol in an aromatic elixir.

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Ist. JANUARY 1951



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NOTTINGHAM

Dear Sirs. I would like to tell you how much I enjoy using your Bristow's Lanolin Hair Shampoo. My hair was dry and brittle but your shampoo has improved it greatly. My daughter (aged 17) uses it too - and is delighted with the results. We both recommend Bristow's Lanolin Shampoo to our respective friends, having great confidence in it ourselves.

Yours faithfully, (Sgd.) MRS. D. R.

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Yours sincerely. (Sgd.) MRS. N. C.

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Yours faithfully, (Sgd.) MISS E. M. M.

LONDON

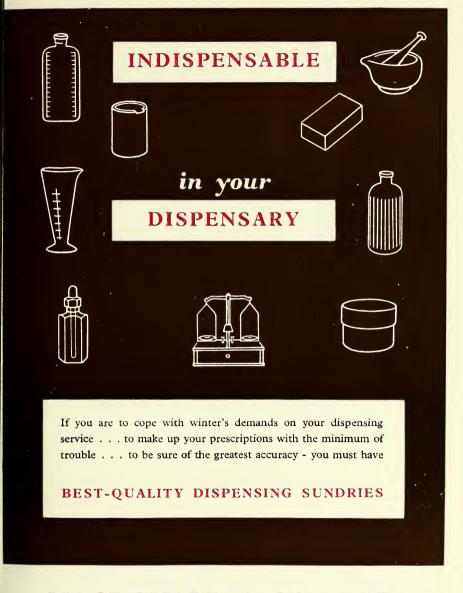
Dear Sirs, I want to tell you how very much I like your Shampoo. My hair is now soft and with its long-lost wave.

I have strongly recommended it to all the friends and acquaintances I have met. I believe in



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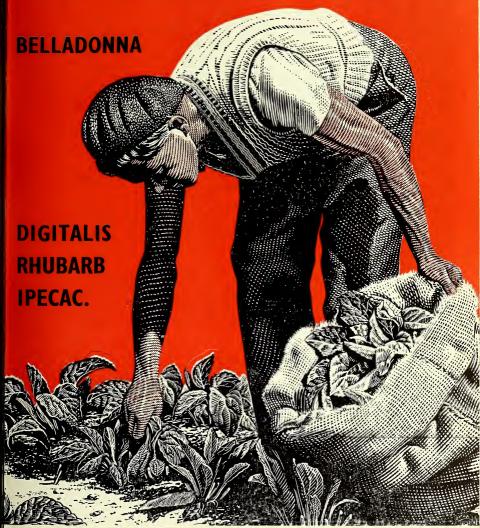
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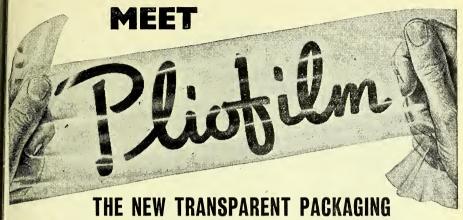
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It is available in bottles
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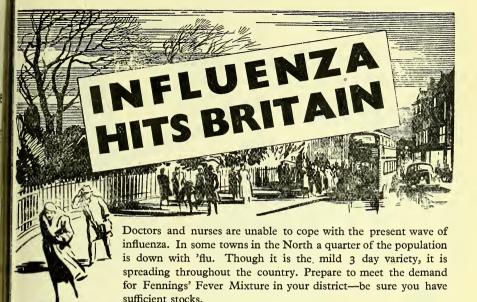
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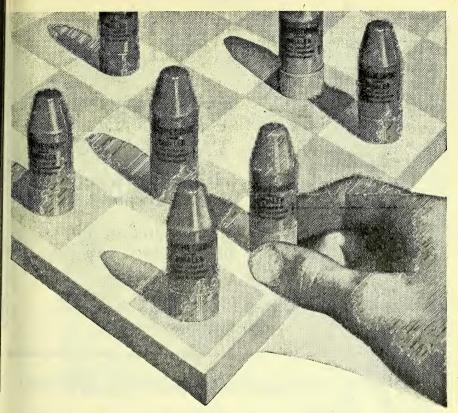


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REGD. TRADE MARK

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Bottles of TRADE RETAIL 50 tablets 2/- 3/Bottles of 500 tablets 15/- 22/6

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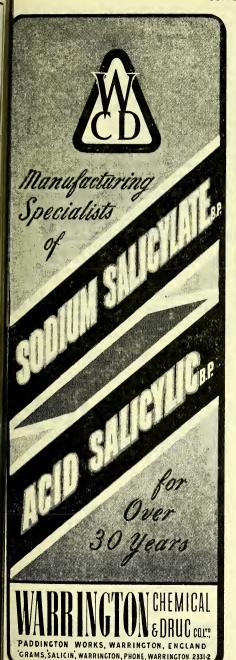
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ELASTIC HOSIERY

SEAMED AND SEAMLESS

SURGICAL BELTS
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Over 50 years' service of everything Surgical

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THE POWDER WITH A REPUTATION

For over 30 years Scotland's leading Proprietary Medicine

for the speedy relief of Headaches, Neuralgia, Neuritis and all Nerve Pains.

Manufactured by

ASKIT LTD MANUFACTURING CHEMISTS

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and stocked by
ALL LEADING WHOLESALE HOUSES



harmful to pets, human beings or farmyard stock, when used as directed, but death to rats and mice. Clean, safe and easy to handle. From Chemists, Ironmongers and Stores everywhere. Price 1/6&5/9

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AN ALL COTTON WOOL PRODUCT OF REPU

Consolute

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SUPERFINE QUALITY ALL WOOL SANITARY TOWEL

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NON-ABSORBENT BACK
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ROBERT BAILEY & SON, LTD

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GALLIC ACID PYROGALLIC ACID

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THE BRITISH DYEWOOD COMPANY LIMITED

SURGICAL AND MANICURE SPECIALITIES LTD.

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Manufacturers of all kinds of SCISSORS, TWEEZERS, FOR-CEPS, NAIL & MANICURE FILES

NAIL CLIPPERS
Carbon Steel—
Chromium Plated.
Lever action,
accurately aligned.
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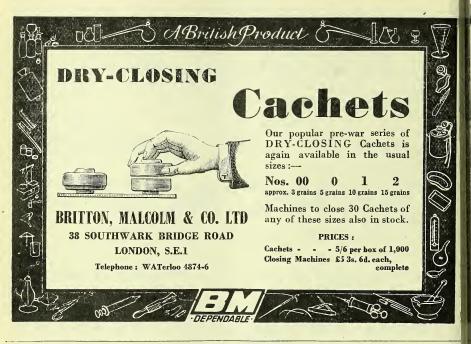
IN BULK-LOOSE TO WHOLESALERS AND PACKERS

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Ammonium Carbonate
Chalk—Precipitated and Prepared
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Established 75 years

GALE'S NUTRITIOUS TONIC

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ESPECIALLY SUITABLE FOR CHILDREN

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Contains Liquid Malt, Vitamins A & D, Hypophosphites and Virginian Prune.





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Sell the hairpins that sell on sight! WIMBERDAR Hairpins are their own salesmenthanks to their attractive new outer cartons, specially designed for effective counter display. In boxes and rolls: heavy-gauge and invisible.

OF QUALITY

For full details and terms write to your usual wholesaler or to:

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75

Let us help you to solve your sunglass problems for the coming season by sending you details of the comprehensive range of beautiful sunglasses we have available, in all shapes, sizes, colours, and materials to suit all pockets. Write now to ...

beautiful SUNGLASS STYLES for 1951

Whitecross



OPTICAL COMPANY, LTD.

55. WHITECROSS ST., LONDON, E.C.1

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WHOLESALE and EXPORT ONLY



Have you seen THIS

beautifully designed new showcard size 23" x 171" in full colours?

With the two side panels 17" x 104" each also supplied, the whole makes an attractive window display that compels attention, and creates sales,

THE COMPLETE SET IS FREE. Ask our representative, or write to us for your FREE set.

EDME "AUTUMN SUN" is the Malt and Oil with the "taking flavour."

For prices and further particulars write to:-

EDME LIMITED

84-86 REGENT ST., LONDON, W.I

Phone: Regent 5563-4

MPOULES

Ampouled Injections and Powder Ampoules in large or small quantities. Specialist production under experienced Chemical and Medical supervision.

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OF EVERY KIND, FOR EVERY PURPOSE CARTON BOX & PRINTING COLTD

BRINKSWAY, STOCKPORT

TRANSPARENT BOXES

CUM TRACACANTH

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WHOLE AND POWDERED

M. HAMBURGER & SONS

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EASTCHEAP, LONDON, E.C.3

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May we quote you for-

Pea Crystal and Feathery

Needle Crystals, Medium, Exsiccated All grades conform to the 1948 B.P. Standard

Special Crystals matched and any degree of exsiccation to order.

Packed for Home and Export.

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PERFUMES CONCENTRATED ESSENCES AROMATIC CHEMICALS SYNTHETIC ESSENTIAL OILS TERPENELESS CONCENTRATED ESSENCES for all purper

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SYNTHETICS," CHESTER A.B.C. CODES, 5th & 6th EDITIONS

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PRESENTING TWO LEADING LINES OF THE POPULAR 'ACME' RANGE



'STANDARD' MODEL

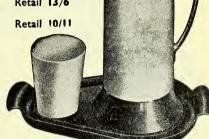
Supplied in Assorted Colours

Superbly finished and always reliable

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IDEAL FOR XMAS TRADE! JUG SET

Retail 13/6 JUG only



ACME VACUUM FLASK

ant and Stead RT for your SA

Behind fast-moving 'ASPRO' sales is the stimulus of a continuous advertising campaign through Press, poster and cinema. The public want to know what a product is-what it does-and advertising tells them. It is this which makes all the difference between the worthwhile line and the "once-in-a-while"

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Made by ASPRO LTD., 6 Slough,

DISPLAYS BRING IN NEW BUSINESS

Griptight FEEDTEATS



Made from best quality rubber Latex, scientifically pierced for correct feeding. Available in 15 different shapes, hygienically packed in transparent wrappers and attractively carded and boxed. Can be sterilised repeatedly without losing shape. Guaranteed three years store life in any climate

it's time to stock up



WATERGLASS

EGG PRESERVATIVE

You can sell Goodall's Waterglass with confidence, knowing full well that it is a first-class product, well-advertised, absolutely reliable in use. It gives a clear and clean fluid and keeps eggs in good condition for approximately two years. With greater supplies of eggs in the shops during the peak months, poultry-keepers will be preserving more of their egg harvest for winter use. This means that you can expect more requests for Goodall's Waterglass, so keep plenty in stock. Tins are completely leakproof so you can store with safety.

No. I Size preserves 80/100 eggs. No. 2 Size preserves 160/200 eggs.

No. 3 Size preserves 320/400 eggs.

No. 4 Size preserves 560/700 eggs.

GOODALL, BACKHOUSE & CO. LTD., SOVEREIGN STREET, LEEDS



Sucaryle is an entirely non-caloric sweetening agent. It is intended for use in diabetic, reducing or other diets, where the limitation of carbohydrates is desired.

Tell your customers that Sucaryle retains sweetness in cooking, baking and boiling . . . that it leaves no bitter after-taste when used moderately . . . that it simplifies separate diet meals, since food sweetened is palatable to all the family . . . that one tablet gives the sweetness of a teaspoonful of sugar. Sucaryle is supplied in bottles of 100 ½ gm. tablets. Retail price 4/6d.

Literature obtainable on request to (Dept. C.D.1.)

ABBOTT LABORATORIES LIMITED

3 Wadsworth Road, Perivale, Greenford, Middx.



CYCLAMATE SODIUM





wood brothers

ALLEN OR THE OF STANGET IN VORKEHIRE



Today's MOST EFFECTIVE TREATMENT for



PeriKay has proved so successful under test that you can recommend it with absolute confidence as today's most effective chilblain treatment.

PERIKAY obtains outstanding results by combining 4 separate, accurately balanced treatments in one tablet—Acetomenaphthone, Nicotinic Acid, Vitamin'D' and Calcium, and Ferrous Sulphate.

recommend Perivale Chilblain Ointment, based on the prescription found most effective by the War Office when investigating chilblains in the A.T.S. (The Lancet 9.11.46.)

ORDER NOW-

PeriKay — the big seller for chilblains this winter.

Packed in unique display outers containing 12 bottles.

Attractive showcards available on request.

KELDON LTD.

TERMS:

PERIKAY TABLETS

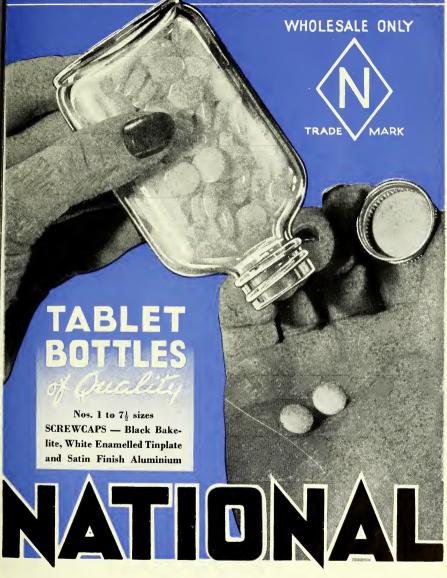
Retail Price 3/8d. per bottle of 50 tablets (Incl. P.T.) Trade Price 24/per dozen bottles plus 8/- P.T.

PERIVALE CHILBLAIN OINTMENT Retail Price 2/5 d. per tube (Incl. P.T.) Trade Price 16/- per dozen tubes plus 5/4d. P.T.

Orders may be included with other Keldon lines to qualify for quantity and cash discounts.



17 WADSWORTH RD., PERIVALE, MIDDX, Distributors for OPTREX LTD, & PERIVALE LABORATORIES LTD.



Fishergate, YORK Telephone: York 3021

National Glass Works (York) Ltd.

105 Hatton Garden, London, E.C.1 Telephone: Holborn 2146

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CUTICURA PREPARATIONS

(MEDICINAL AND TOILET)

SOAP . OINTMENT

TALCUM POWDER . SHAVING STICK

These grand aids for skin-care have been giving confidence and satisfaction for over 65 years. Profits are good — Advertising consistent and widespread. Sales-promoting window displays always at your service.

The following attractive products, each with a universal appeal, will shortly be added to the popular Cuticura Range:

HAND CREAM - BABY OIL
SHAVING CREAM - LIQUID ANTISEPTIC
AFTER-SHAVE LOTION

British Distributors: NEWBERY & PHILLIPS LTD.

203, Victoria House, Southampton Row, London, W.C.1

THE POTTER DRUG & CHEMICAL CORPORATION
205-207, Victoria House, London, W.C.1

Ortho

the ethical in

contraceptives

These original developments of Ortho research are consistently before the medical profession and teaching hospitals. They are the most widely prescribed of their kind. The clinical need is established and the demand justifies their prominence in your pharmacy.

Ortho-Gynol Set (Sizes 55-95)

Ortho-Creme Set (Sizes 55-95)



(with applicator) Ortho-Gynol Pkge B (tube only) Octivo Count

Pkge A Ortho Diaphragm (with applicator) Ortho-Creme Pkge B (tube only)

Ortho-Creme



Available through your usual wholesaler

Pharmaceutical Limited

BUCKS . ENGLAND

FOR HOME & EXPORT

META AMINO
PHENOL 99/100%

PAS ACID
PAS SODIUM
PAS CALCIUM
In Bulk and Tablet forms

SULPHA DRUGS
EPHEDRINE
HYDROCHLORIDE
SULPHONES
VITAMIN B₂

MERCURY SALTS



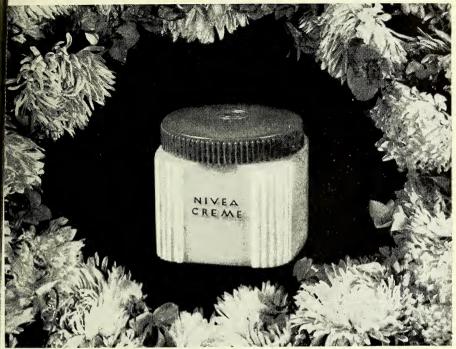
★ We can supply these and many other drugs advantageously.

M·W·HARDY & CO. LTD

PINNERS HALL-GT WINCHESTER ST-LONDON-EC.2

TELEPHONE: LONDON WALL 713

POPULAR 'POLY-TAINER'.



As advertised in Vogue, Harpers Bazaar, and other fashion and beauty periodicals

the NIVEA Beauty Pack

A descriptive name, an unusually light-weight, and a good 4-oz. content. 'Poly-tainer' is already well-launched, and the unbreakable, opaque white Polythene jar has pride of place on many a smart dressing table. Glamour packs for Nivea mean new business for you, from the many dressing-table-conscious women who prefer their cream in a jar. Your share of this new trade can be substantial.

How are your stocks? 'Poly-tainer' retails at 8s. 4d. per 4-oz. jar, trade price 40s. per dozen, plus tax.

Skin needs NIVEA

GNT.0

HERTS PHARMACEUTICALS LIMITED . WELWYN GARDEN CITY . HERTS

"Good Stock

Hygex Brushes are firm favourites with the public because they are first-class brushes selling at really reasonable prices. Stock the full Hygex range, including men's hair-brushes, shaving brushes and nail-brushes, and make a good display of them, too, for powerful National advertising continues to keep Hygex right in the public eye.

Illustrated is the Bristle Brush (No. 301) retail-11/6;

other Hygex brushes-5/- to 35/- retail.

Order through your usual wholesaler.

THE BRUSHES PEOPLE CAN WELL AFFORD

Manufacturers:

HENDERSON BROS & CO LTD

Burwell Road, Leyton, London, E.10

LEYtonstone 520213







In the 1951 Bartlett range there are sunglasses styled and priced for everybody! Quick, profitable sales await you—this is the most attractive and varied range ever offered to the trade. Send for illustrated leaflet and make your selection—right away!

Order from your usual wholesaler

for 1951

WHOLESALE ENQUIRIES ONLY TO

ALFRED FRANKS & BARTLETT CO. LTD. AUDREY HOUSE, ELY PLACE, LONDON E.C.I.

TELEPHONE HOLBORN 1078/9 (Px)

Buying Sunglasses?

THIS 'COLD WAR' is an OLD 'WAR'....

A BATTLE AGAINST RISING PRICES!

Stockpiling in America has resulted in an acute shortage of the 'raw materials necessary for the manufacture of Sunglasses; but although prices may tend to harden later in the Season, we are in the fortunate position of being able to continue last years' models and also to offer new styles with guaranteed 'Sales Appeal'.

Please ask your Wholesaler to show you our 1951 range;

models retailing from as low as 9d. per pair including.



LAST SEASONS' SUNGLASS SENSATION S VALUE = SALES! SALES = PROFIS



EMPICOL L.Z.
POWDER

Chemical Nature Sodium Lauryl Sulphate.

Active Matter and Composition 90% Sodium Alkyl Sulphate. Free Fatty Alcohol—not more than 2%. Water not more than 3%. Inorganic Salts—not more than 8%.

Appearance Spray dried white powder.

Packing Waterproof paper-lined hessian bags or fibre board drums.

Bulk Density Between 0.1 and 0.3 as required.

Properties and Uses The purest Sodium Lauryl Sulphate available. Used as a foaming agent and detergent for cosmetics and toilet articles, particularly for Toothpastes. It is available in standard and B.P. 1948 (Sodii et Laurylis Sulphas) grades. Many industrial users who require a high purity Wetting Agent, Emulsifier, etc., are finding Empicol L.Z. Powder economical and effective for specialised purposes.

Marchon

OF WHITEHAVEN

PRODUCTS LTD



HEAD OFFICE: WHITEHAVEN, CUMBERLAND Telephone: Whitehaven 650/652 and 797 (4 lines) Telegrams: Marchonpro, Whitehaven

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Telegrams: Marchonpro,
Rand, London

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Telephone:
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Telegrams:
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By Appointment Seed Merchants to H. M. King George VI

J. L. CLUCAS LTD.

The Seed House known throughout the country for true line pedigree seeds of the highest quality.

We have a small number of vacancies for Agents for our seeds, please write for a copy of our very special terms and we assure you all applications will be given careful consideration.

Seed Growers and Merchants 33 Moor Street Ormskirk, Lancs.

Solazzi

LIQUORICE

Pre-eminently the Chemist's

Brand

I oz. and 4 oz. STICKS

Tried and trusted remedy for many years past of coughs and colds.

Obtainable from your usual Wholesaler.



Medical Specialities

TERPOIN GLUCOVITE LECITONE ARTHRITONE

TABLETS · CAPSULES · MASSAGE CREAM

SOMNORAL

HOUGH, HOSEASON

AND COMPANY LIMITED

ATLAS LABORATORIES, MANCHESTER 19

CACHETS

We are glad to announce that once again CACHETS, both wet and dry closing, are available in most sizes. We have recently been able to reduce prices and would be glad to send a new list to any Pharmacist on request

THOS. CHRISTY & CO. LTD

NORTH LANE ALDERSHOT

Get to know these young ladies!



They are appearing in all ENESS advertising, working hard and persuasively to bring you ever-greater sales of the 'softer than silk' sanitary towel. Make sure that you are well-stocked when discriminating women ask for . . .



SANITARY TOWELS

TABLETS

The best method of prescribing the valuable synergistic APC combination.

Dispensing pack 75 for 2/6 Tax Free Retail Counter Packs 10 d. 1/9 and 3/3

- Will not constipate
- Well tolerated by patients liable to gastric upset.
- Rapid and prolonged antipyretic and analgesic action.

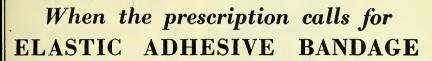
FORMULA

Acid Acetysal - 2½ gr. Calc. Phos. - 2½ gr. Phenacetin - 2½ gr. Phenolpthalein 1/12th gr. Phenacetin -2½ gr. Phenolptnaiem Caffeine

ABBOTTS DRUGGISTS LTD.

338 Kilburn High Rd., & Iverson Rd., London, N.W.6

MORRISONS & BALPH LTD . BARRHEAD . SCOTLAND







Non-Fray Non-Fluffy Woven-Edged

N.H.S. PACK in Tins

Its resilience and retraction provide a firm and comfortable support appreciated by the Medical Profession.

 $2\frac{1}{2}$ " x 3 yards 3" x 3 yards

Also made in the following sizes: $1'' \times 3 \text{ yds.}$ $2'' \times 3 \text{ yds.}$ $4'' \times 3 \text{ yds.}$

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ESTABLISHED OVER 100 YEARS

— Tenth Edition—

Dispensing for **Pharmaceutical** Students

By John W. Cooper, Ph.C., and Colin Gunn, B. Pharm., Ph.C. This popular book has again been revised and is now completely in accordance with the British Pharmacopoeia, 1948. It is one of the most widely used textbooks in this field, particularly among students preparing for the qualifying Examinations of the Pharmaceutical Society. It includes useful information on the technique of sterilization and aseptic manipulation. Illustrated. 16/- net.

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Parker St., Kingsway, London, W.C.2

NORVEX TOWELS

We have pleasure in announcing our latest production:—

"NORVEX POPULAR"

An extremely absorbent All Wool Towel retailing at the following prices:-

No. 0 2/-

No. 1 2/4

No. 2 2/9

No. 3 3/6

Silky Soft Knitted Covers with Stitched Loops

SEND YOUR ORDERS NOW TO .-

CROSSKILL'S OF NORWICH

dott. INVERNI & DELLA BEFFA—99, Via RIPAMONTI-MILAN (ITALY)

MANUFACTURERS OF

MEDICINAL PLANT EXTRACTS—MALE FERN EXTRACT GARLIC OIL, JUNIPER BERRY OIL

Samples and quotations on request

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Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils in the world.—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA

80/85% B.P.

70/75% B.P. Piperitone 90/95% Oil Euc. Phellandra

Oil Euc. Dives 40/45% Oil Euc. Citriodora

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Agents for U.K.: WILSON & MANSFIELD, LTD., 15 Philpot LANE, LONDON, E.C.3

Phone: MANSION HOUSE 9264-5-6 (WHOLESALE ONLY)

Grams: WYFIELD, LONDON

Send for this latest showcard

conditional francisco francisco



dere's a new attention-getting showcard that is proving a first-class aid to ales in chemists' shops all over the country. Set it to work on your sales ounter — and it will act as a constant reminder of the extra fast double-

action of Alka-Seltzer, which brings rapid relief from those most common of all daily ills—indigestion, headaches, colds, aches and pains. Write now for this showcard and other attractive sales-creating display material, also for

details of display discounts.

Here's a gay little bird to crown the Alka-Seltzer carton— a permanent reminder of the ever-popular animal series appearing in national press advertising campaigns.

Don S. Momand Ltd., 58 Albany Street, London, N.W.1. Sole distributors for Miles Laboratories Ltd., Bridgend, South Wales.

Start 1951 off with increased profits!

- ★ The Musterole Fine Products Co., Ltd. is increasing your basic sales profit from 25% to 38%.
- * This extra profit is yours for all orders placed from TODAY.
- This increased profit to you is for displaying Children's Musterole and will replace our previous bonus terms.
- NO OTHER CHILDREN'S RUB CAN GIVE YOU THIS PROFIT.

MILD MUSTEROLE FOR CHILDREN



OLD TERMS

SIZE	RETAIL PRICE (INC. P.T.)	LIST PRICE (EXC. P.T.)	YOUR PROFI
l oz.	3/2	19/9	38%
l oz.	3/2	22/9	25%

DISTRIBUTORS: THOS. CHRISTY & CO. LTD . NORTH LANE: ALDERSHOT . HAN1





The correct type of mixer—portable or fixed—high, low or medium speed—adjustable shaft and impellers—will do your job more thoroughly, more quickly and with great saving of labour.

Mitchell make all types and will supply just the correct fluid agitator for your specific requirements.

L.A.MITCHELL LIMITED

Diuromil

A medically-prescribed product for the treatment of

RHEUMATISM — GOUT — ARTHRITIS FIBROSITIS — CYSTITIS — PYELITIS

Diuromil is an ethical product regularly prescribed by doctors all over the country. It is an effervescent granular preparation of palatable taste, the

formula including Piperazine and Lithium, which, acting together, are twice as effective as solvents of Uric Acid as Piperazine alone. Diuromil mobilises, eliminates and prevents precipitation of Uric Acid.

Regularly advertised in the medical and nursing press, but may be recommended and sold without medical prescription.

Write for sales terms, samples and literature.

The Organ Works,

Old Hill, Chislehurst, Kent.



This Striking Motif.

... is making millions of women more and more

conscious of.

COTT



It is a replica of the design used in the Poster Campaign and the same

theme is repeated in Nation-wide Publicity in the Press and the lovely, youthful leading Women's Magazines.



Medium Size 2/7½; standard pack 2 dozen at II/10 per dozen. Large Size 4/10; standard pack I dozen at 21/8 per dozen. Carriage paid. Plus Purchase Tax.

SPECIAL OPENING OFFER I Dozen Medium Carriage Paid on BEST TERMS.



SEND BOWNE Upper Street, London,

20,000 new 'Oatine customers every month!

Every month advertisement an appears in Radio Times, with the largest periodical circulation in the world, to offer samples of Oatine Cream, Oatine 'Snow' or Oatine Powder Base.

As a result about 20,000 testers are, each month, invited to obtain further from their usual supplies, Chemist.

One chain of shops reports 100% increase in Oatine sales since the ad-

vertising began. Take this advantage of business and order usual from your wholesaler or obtain Display Parcels Bonus Terms, with show material direct.



Let them see that YOU stock **Oatine Toilets**

THE OATINE CO. 44 Kennington Lane, London, S.E.11

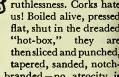
We are **FALITARIANS**

ABOUT CORKS

ET'S admit it. So far as corks are concerned, we're out-and-out dictators. Regimentation, standardization—these are our watchwords. We plead guilty to our

reputation for reducing corks to a state of unbelievable uniformity.

We do it by sheer ruthlessness. Corks hate us! Boiled alive, pressed flat, shut in the dreaded "hot-box," they then sliced and punched, tapered, sanded, notch-



ed, bleached and branded-no atrocity is spared to stamp out individuality.

ant to be different, eh?"

Not a cork can escape; many are completely eliminated. Sometimes only 5 per cent. of a whole batch survive to become corks of our Grade A quality. If a cork is even 1/63rd of an inch too small, it is pitilessly rejected and ground into by-products.

IF YOU, too, feel totalitarian about corks, and want them, in each grade, as uniform in size and quality as skill and experience can make them-please get in touch with us by letter or telephone. Armstrong Cork Company, Ltd. (Closure Division), Kingsbury London, N.W.9. Telephone: Colindale 7080 Scottish Branch: 5 Oswald Street, Glasgow C.1. Telephone: Central 5703.

FREE ON REQUEST. The handy Armstrong String of Standard Cork Sizes shows at once what size you want -whether for dispensing or for ordering supplies. May we send you one?



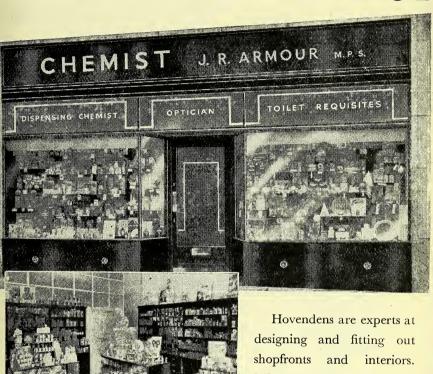
ARMSTRONG'S CORKS

CORKS - CROWN CORKS - MOULDED CAR

Hovendens

F IMPORTANCE TO PHARMACISTS

Hovendens HOPFITTING SERVICE



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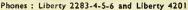
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